DOTD

ARCADIS

Custom Interactive Safety Dashboard

Implemented Bike Improvements

Louisiana VRU Analysis Tool

Trainings and Technical Assistance

Louisiana VRU Safety Assessment

CONTRACT NO. 4400034080

January 29, 2026

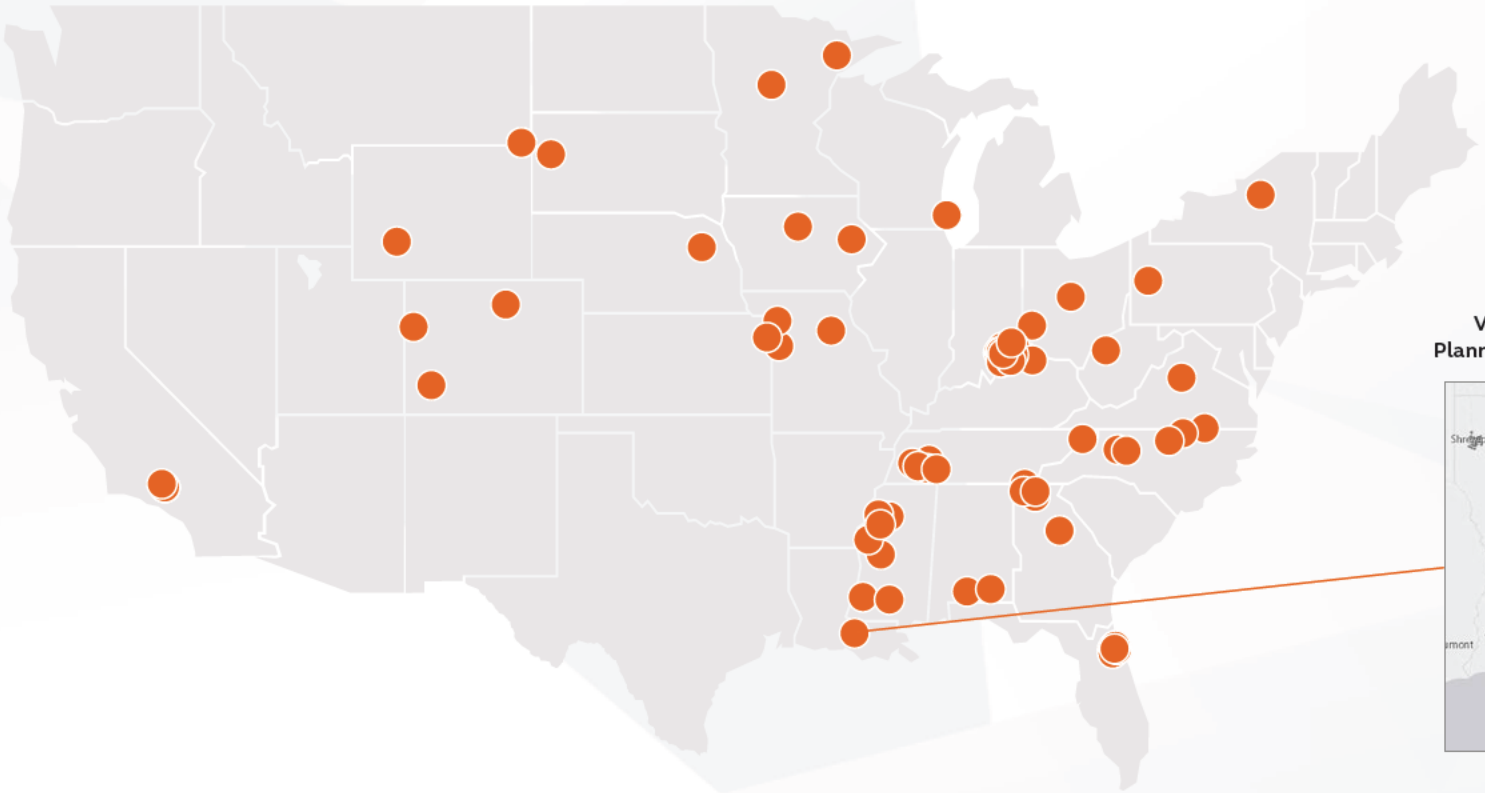
IDIQ CONTRACT FOR VUNERABLE ROAD USER (VRU) TECHNICAL ASSISTANCE, STATEWIDE

SECTIONS

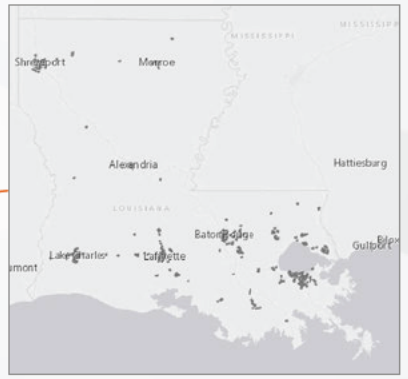
1-11

The Arcadis Team has completed over 80 VRU Data Analysis Projects across the country, including assisting LADOTD with the development of the VRU Safety Assessment Report and VRU Analysis Tool for Louisiana.

VRU Data Analysis Locations



VRU Safety Assessment - Polygon Planning Tool Developed by Arcadis Team



"I just wanted to let you know how much we appreciate all the technical assistance you were able to provide throughout the duration of this project. Your input has helped us tremendously in enhancing the study and will lead us to more robust data driven safety analysis in the future."

– Adriane McRae, LADOTD Highway Safety Section Administrator, in response to DDSA technical assistance to LADOTD on systemic pedestrian analysis (through FHWA task order)

DOTD FORM: 24-102

(Revised August 11, 2025)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

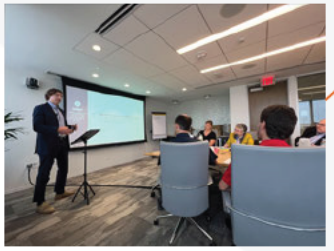
1. Contract Name as shown in the advertisement	IDIQ CONTRACT FOR VUNERABLE ROAD USER (VRU) TECHNICAL ASSISTANCE, STATEWIDE
2. Contract Number(s) as shown in the advertisement	CONTRACT NO. 4400034080
3. State Project Number(s), if shown in the advertisement	-
4. **Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)**	ARCADIS **Arcadis U.S., INC.**
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0002808 DUNS 057690414
6. Prime consultant mailing address	6100 Corporate Blvd., Suite 325 Baton Rouge, LA 70808
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	6100 Corporate Blvd., Suite 325 Baton Rouge, LA 70808
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Ari Deitch, PE, PTOE, PTP, RSP *Senior Transportation Engineer* 225 244 6643 | ari.deitch@arcadis.com
9. **Name, title, phone number, and email address of the official with signing authority for this proposal**	Akhil Chauhan, PE, PTOE, PTP, PMP *Principal Transportation Engineer* 225 368 6563 | akhil.chauhan@arcadis.com

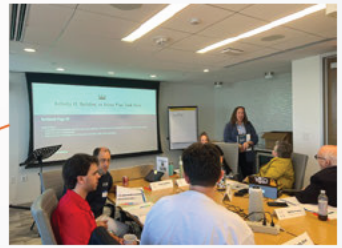
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.	 Signature above shall be the same person listed in Section 9: Date: January 29, 2026	
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	**Firm(s):**	**Firm(s)' %:**
	N/A	N/A

SECTIONS

12-14

The Arcadis Team has provided Technical Assistance and Trainings for 30 states and municipalities through contracts with FHWA and State DOTs.






Hawaii


Puerto Rico

"I would like to thank Kristin [Kersavage], Frank [Gross] and Jerry [Roche] for such a thorough review in such a short time frame!"

– Betsey Tramonte, FHWA Safety Coordinator, regarding a technical assistance request to review a pedestrian study for LADOTD

12 DISCIPLINE TABLE:

As indicated in the advertisement, insert a completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract.

The only past performance evaluation disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). Remove rows as needed.

Discipline(s)*	% of Overall Contract	ARCADIS	HDR	vhb	STS Southern Traffic Services / REKOR	Each Discipline must total to 100%
Traffic	85%	40%	30%	30%	0%	**100%**
Planning	10%	40%	30%	30%	0%	**100%**
Data Collection	5%	0%	0%	0%	100%	**100%**
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	**100%**	**38%**	**28.5%**	**28.5%**	**5%**	**100%**

**Traffic discipline generally includes both safety and traffic services for this contract, including (but not limited to) assistance with data analysis, feasibility studies, project development technical reviews, trainings, and steering committee support.*

**Planning discipline generally includes (but is not limited to) assistance with the development of planning documents and public involvement.*

**Data Collection includes the collection of traffic and VRU count data.*

13 TEAM SIZE:

Firm name	DOTD Job Classification	Number of personnel committed to this contract*	Total number of personnel available in this DOTD Job Classification (if needed)
ARCADIS	Principal	3	3
	Engineer	4	5
	Supervisor - Eng	4	6
	Planner	4	5
	GIS Analyst	2	4
	Environmental Manager	1	1
	Environmental Professional	1	2
HDR	Engineer	1	2
	Supervisor - Eng	1	2
	Planner	2	3
vhb	Supervisor - Eng	2	2
	Supervisor - Other	2	2
	Engineer - Other	8	8
	Planner	3	3
	Professional	1	1
STS Southern Traffic Services / REKOR	Engineer	1	1
	Senior Technician	2	8**

***For evaluation purposes only**, and as referenced in the Scope of Services on page 2 of IDIQ advertisements only, the consultant shall assume the number of concurrently active task orders specified in the advertisement and shall identify the number of **committed** personnel accordingly.

**High number of senior Technicians shown for "if needed" as they could be needed depending on scale of data collection locations and schedule.

LEGEND:
Arcadis - 1
VHB - 2
HDR - 3
STS / REKOR - 4
Meeting TEPR Requirement*
Workzone Training*
Meets MPR*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Principal-in-Charge
Akhil Chauhan, PE, PTOE, PTP, PMP[1]**

Project Manager
Ari Deitch, PE, PTOE, PTP, RSP[1]***

QA/QC and Technical Advisor

Eric Kalivoda, PE, PhD[1]
Safety Planning / Policy

Akhil Chauhan, PE, PTOE, PTP, PMP[1]**
Traffic Engineering

David Ward, GISP[1]
Data Analysis / Network Screening

Buddy Porta, PE[1]
Project Development

Jaap Tigelaar[1]*
International VRU Advisory / Best Practices

Data Analysis / Network Screening
Max Aguirre, PhD, PE, PTOE, RSP[1]***
Justin Maderia, PE, PTOE, PTP[1]**
Mindy Moore, AICP[3]*
Josh Chatelain[1]
Dan Cook, PE, RSP[3]*
Kristin Kersavage, PhD, PE[2]
Samantha Arnold, PE[2]
Md Shakir Mahmud, PhD[2]
Ian Hamilton, AICP[2]

Feasibility / Engineering Studies and Project Development
Kester Hollier, PE, PTOE[1]***
Justin Maderia, PE, PTOE, PTP[1]**
Max Aguirre, PhD, PE, PTOE, RSP[1]***
Clara Foshee, PE, PTOE[1]*
Sridhar Basetty , PE, PTOE[1]**
Taylor Bonner, PE, PTOE, RSP[2]*
Thomas Crochet, PE, PTOE[2]*
Jill Hodges, PE[2]*

Technical Reviews
Max Aguirre, PhD, PE, PTOE, RSP[1]***
Rick Plenge, PE, PTOE[2]
Drew Gringas, PE[2]
Sahar Nabaee, PE[2]
Chris DeWitt, AICP[2]
Chris Rome, PE, PTOE, RSP[2]
Heather Gade, PE[2]*

Trainings
Rick Plenge, PE, PTOE[2]
Gregory Backos, PE, NCICS[2]
Elissa Goughnor[2]*
Michael Dunn, PE[2]*
Kristin Kersavage, PhD, PE[2]
Sahar Nabaee, PE[2]
Megan Martin[3]

Complete Streets Policy / Steering Committee Support
Gregory Backos, PE, NCICS[2]
Michael Dunn, PE[2]*
Drew Gringas, PE[2]
Elissa Goughnor[2]*
Chris DeWitt, AICP[2]
Samantha Arnold, PE[2]
Chris Rome, PE, PTOE, RSP[2]
Heather Gade, PE[2]*

VRU Data Collection
Joe Poole, PE[4]
Brandi Smith[4]
Charles Williams[4]

Environmental
Jason Morrell, PWS[1]
Jan Hughes[1]

VRU Planning Documentation / Modeling Support
Cristina Martinez, AICP[1]*
Mindy Moore, AICP[3]*
Elissa Goughnor[2]*
Leslie Pollack[3]
Julie Price, AICP[1]

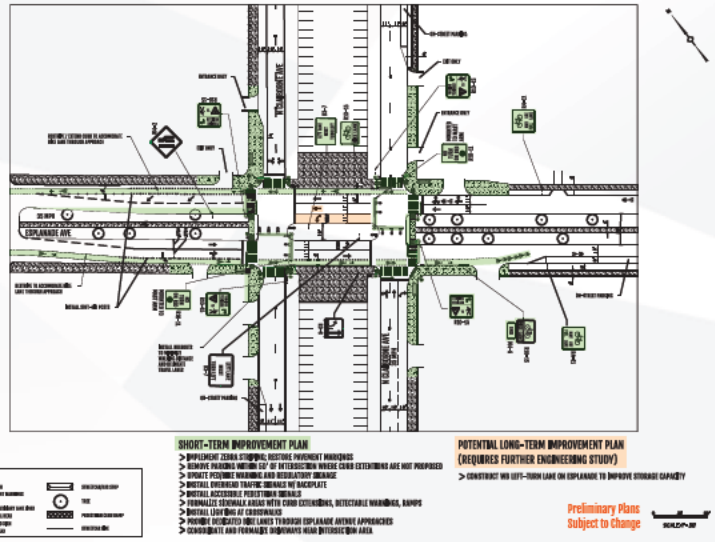
Roadway Design
Jose L. Rodriguez, PE[1]*
David Fulks, PE[1]

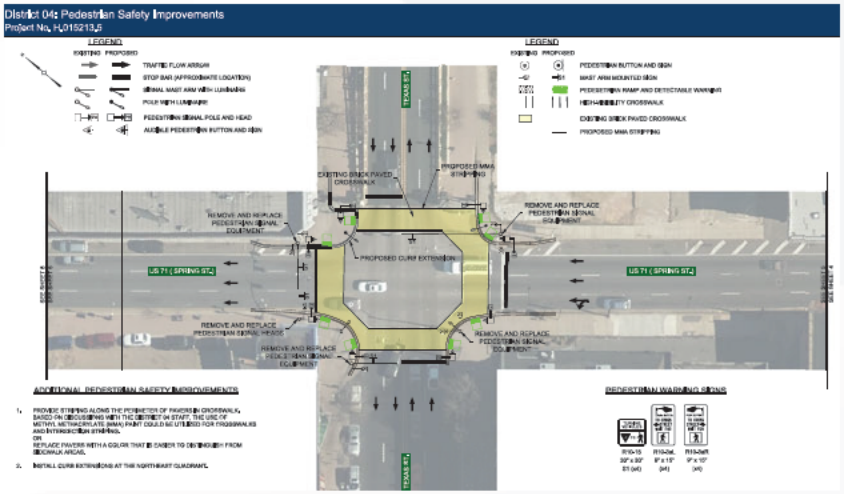
Public Involvement
Julie Price, AICP[1]
Cara Vojdani[1]
Mindy Moore, AICP[3]*

SECTION

15-16

Proposed Pedestrian and Bicycle Safety Countermeasures developed for LADOTD as part of Feasibility and Limited Engineering Studies.





Arcadis Past Performance Review:
Safety Studies IDIQ - District 04 Pedestrian Safety Improvements

"Arcadis provided technically accurate deliverables with thorough documentation through all project components. They appropriately identified next steps for each project and used available research and studies to make recommendations for implementation at project sites. The consultant displayed knowledge of the Highway Safety Manual, CMF Clearinghouse, and best practices for analyzing locations for pedestrian improvements."

-Jessica DeVille, LADOTD Highway Safety Section

15 MINIMUM PERSONNEL REQUIREMENTS:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Akhil Chauhan, PE, PTOE, PTP, PMP *(>23 years' experience)*	ARCADIS	PE. 33703 – Civil	LA	09/2026
2	Akhil Chauhan, PE, PTOE, PTP, PMP *(>23 years' experience)*	ARCADIS	PE. 33703 – Civil	LA	09/2026
	Cristina Martinez, AICP *(>11 years' experience)*	ARCADIS	AICP. 31139	USA	09 / 2026
	Jaap Tigelaar *(>29 years' experience)*	ARCADIS	N/A	N/A	N/A
3	Ari Deitch, PE, PTOE, PTP, RSP *(>14 years' experience)*	ARCADIS	PE. 41842 – Civil	LA	03/2026
	Jill Hodges, PE *(>37 years' experience)*	vhb	PE. 24931 - Civil	LA	09/2026
4	Kester Hollier, PE, PTOE *(>22 years' experience)*	ARCADIS	PE. 34304 – Civil PTOE. 3928	LA, US	03/2026 11/2027
	Thomas Crochet, PE, PTOE *(>43 years' experience)*	vhb	PE. 22398 – Civil PTOE. 2567	LA, US	09/2027 04/2027
5	Max Aguirre, PhD, PE, PTOE, RSP2I *(>7 years' experience)*	ARCADIS	PE. 47579 – Civil PTOE. 5291	LA, US	09/2026 7/2028
	Sridhar Basetty, PE, PTOE *(>20 years' experience)*	ARCADIS	PE. 38950 – Civil PTOE. 3682	LA, US	09/2026 08/2026
	Kester Hollier, PE, PTOE *(>20 years' experience)*	ARCADIS	PE. 34304 – Civil PTOE. 3928	LA, US	03/2026 11/2027

15 MINIMUM PERSONNEL REQUIREMENTS:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
6	Justin Maderia, PE, PTOE, PTP *(>18 years' experience)*	ARCADIS	PE. 38492 – Civil	LA	03/2026
7	Taylor Bonner, PE, PTOE, RSP *(>8 years' experience)*	vhb	PE. 40001754 – Civil	DC	08 / 2026
	Michael Dunn, PE *(>8 years' experience)*	vhb	PE. 053826 – Civil	NC	12 / 2026
	Elissa Goughnor *(>24 years' experience)*	vhb	N/A	N/A	N/A
	Heather Gade, PE *(>14 years' experience)*	vhb	PE. 50295 – Civil	MD	12/2026
	Dan Cook, PE, RSP *(>17 years' experience)*	HDR	PE. 123811 – Civil	NE	12/2027
	Mindy Moore, AICP *(>24 years' experience)*	HDR	AICP. 123811	USA	06 / 2026

Contract Leadership

16 STAFF EXPERIENCE.

Firm employed by. ARCADIS			Meets MPR No. 1 & 2
Name	Akhil Chauhan, PE, PTOE, PTP, PMP	Years of relevant experience with this employer	18
Title	Principal Transportation Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		MS / 2003 / Transportation Engineering, Massachusetts Institute of Technology BS / 2001 / Civil Engineering, Indian Institute of Technology	
Active registration number / state / expiration date		PE. 0033703 / LA / Exp. 09/2026; PTOE 2544 / USA / Exp. 11/2026 PTP 246 / USA / Exp. 12/2027; PMP 1444676 / USA / Exp. 08/2026	
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Principal-in-Charge, QA/QC and Technical Advisor (Traffic Engineering)**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Chauhan is a Principal Transportation Engineer with **23 years of applied research and industry experience** in the fields of **highway safety**, **traffic engineering**, traffic modeling and simulation, Stage 0 Feasibility Studies, transportation planning, demand modeling/forecasting, intersection/corridor analysis, **active transportation planning, design, and implementation**, **pedestrian and bicycle safety, complete streets**, NEPA studies, and access management. Akhil has successfully led, managed, and mentored numerous projects related to transportation modeling, simulation, and planning for public agency clients located across the nation including several state Departments of Transportation. He is proficient in the use of many macro-, meso-, and microscopic traffic simulation software programs such as HCS, Vistro, Synchro, SIDRA, Vissim, MITSIM, Dynameq, DynaMIT, TransCAD, Visum, and OREMS.
04/21 – 06/22	**Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA.** *Project Manager.* Responsible for managing project tasks and deliverables that Arcadis is responsible for and ensuring QAQC protocols are performed. Arcadis is performing all ***crash data analysis*** tasks for the ***SHSP update***, including a ***statistical analysis of existing emphasis areas*** and evaluating potential modifications to emphasis areas.
02/18 – 06/21	**Baton Rouge Pedestrian and Bicycle Master Plan, Safety Action Plan, and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA.** *Principal Engineer.* Responsible for contract management and technical advisory for the project, which involved the development of a Pedestrian and Bicycle Master Plan and Safety Action Plan (PBSAP). Arcadis ***developed screening criteria*** based on crash data and socioeconomic data to identify high priority locations with a history of pedestrian and/or bicycle crashes, and performed ***Road Safety Assessments (RSAs)*** at 10 priority locations to identify safety deficiencies and ***develop safety countermeasures to improve safety for pedestrians and bicyclists.***
03/22 – 03/23	**Mandeville Bicycle and Pedestrian Master Plan, New Orleans Regional Planning Commission, St. Tammany Parish, LA.** *Principal Engineer.* Responsible for contract management and technical advisory for the development of a pedestrian and bicycle master plan for the City of Mandeville, LA. Assisted RPC with establishing a ***Project Management Comittee*** to guide the technical effort. Perfomed ***data analysis*** using demographic, land-use, transportation network, traffic count, and ***safety data*** to estalish existing conditions and inform the vision, goal and strategy development. The plan identified improvements to the ***active transportation network***, including prioritization of segments that would provide critical connectivity and safety.

09/24 – Ongoing	**Safety Studies IDIQ – Keyser Avenue Pedestrian Safety Improvements, LADOTD, Natchitoches Parish, LA.** *Principal Engineer.* Responsible for contract management and technical advisory for the project. The project scope includes developing a Stage 0 feasibility study to evaluate and develop ***multi-modal safety improvements***. Arcadis performed an analysis of ***pedestrian safety data*** including hisotrical crash data and StreetLight data to determine the need for pedestrian infrastructure improvements. The ***VRU analysis tool*** was utilized to determine portions of the corridor with the greatest need.
02/23 – 05/24	**Safety Studies IDIQ - District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Principal Engineer & Technical Advisor.* Responsible for contract management and technical advisory for this ***Stage 0 Feasibility study*** to develop and evaluate ***safety countermeasures*** to ***address pedestrian safety*** needs on 7 corridors within Caddo and Bossier Parish. The study methodology was similar to that of a ***Road Safety Assessment***, and included historical crash analysis and on-site field reviews to identify pedestrian safety needs. Countermeasures were developed in close coordination with project stakeholders including City of Bossier, City of Shreveport, NLCOG, Downtown Development Distriction, and District 04. Stakeholders also participated in virtual and on-site field reviews. Stage 0 Feasibility Reports were completed for all 7 study corridors with ***Preliminary Scope and Budget Checklist*** and ***Environmental Checklist***. Benefit-cost analysis was provided to aid in prioritizing the implementation of countermeasures.
04/16 – 09/18	**Safety Studies IDIQ - New Orleans Pedestrian Safety Improvements, LADOTD, Orleans Parish, LA.** *Principal Engineer.* Preparation of ***Stage 0 pedestrian safety feasibility study*** (in accordance with ***LADOTD Stage 0: Manual of Standard Practice***) of 20 intersections with high occurrence of pedestrian safety issues - especially between motorized and non-motorized travel modes. Scope of services include ***data collection*** analysis of existing traffic conditions, ***historic crash data evaluation***, investigation of safety deficiencies at each intersection, ***recommendation of safety improvements*** such as traffic signal improvements, intersection striping improvements, signing improvements, lighting improvements, sidewalk/crosswalk improvements, curb extensions, traffic calming, ADA compliance including curb ramps, and parking modifications, analysis of alternatives and ***conceptual layout development, cost estimates***, and ***Stage 0 checklists***.
12/13 – 06/15	**Safety Studies IDIQ - LA 3235 Stage 0 Feasibility Study, LADOTD, Lafourche Parish, LA.** *Project Manager and Principal Engineer*. Responsible in the preparation of a formal traffic and access management Stage 0 study, in accordance with ***LADOTD Stage 0: Manual of Standard Practice***, that analyzed alternatives and enhanced mobility and safety on LA 3235. Main tasks included ***traffic data collection***, warrant studies, ***traffic analysis, safety analysis***, development of conceptual layouts, and public outreach. Intersections found to warrant signalization were also modeled in unconventional designs including U-turns, J-turns, and RCUTs. A ***cost estimate*** and ***conceptual layout drawings*** were also produced.
12/13 – 05/15	**Safety Studies IDIQ - Joe Sevario / Roddy Road Stage Feasibility Study, LADOTD, Ascension Parish, LA.** *Project Manager and Principal Engineer*. Evaluation of roundabouts at 10 stop-controlled intersections along Joe Sevario / Roddy Road, from US 61 to LA 42, a length of approximately 7.2 miles. Main tasks include ***traffic data collection, crash analysis, capacity analysis, safety analysis***, review of existing pipelines and other municipal utilities, ***alternatives analysis, design development***, and ***cost estimates***. Completed ***Stage 0 documentation*** including ***Preliminary Scope and Budget*** and ***Environmental Checklists***.
04/16 – 10/19	**Safety Studies IDIQ - I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA.** *Principal Engineer.* Responsible for contract management and technical advisory of project tasks. Arcadis researched best practices around the country to develop potential alternatives. ***Highway Safety Manual methods*** were applied to ***quantify the safety performance of proposed alternatives***.

Firm employed by. ARCADIS			Meets MPR No. 3
Name	Ari Deitch, PE, PTOE, PTP, RSP1	Years of relevant experience with this employer	12
Title	Senior Transportation Engineer / Project Manager	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BS / 2012 / Biological Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.0041842 / LA / Exp. 03/2026; PTOE #4346 / USA / Exp. 11/2026 PTP #690 / USA / Exp. 07/2028; RSP #37 / USA / Exp. 12/2027	
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Project Manager**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Deitch is a **Senior Transportation Engineer and Project Manager specializing in traffic safety, traffic engineering and design**. Mr. Deitch has experience managing and working on projects for LADOTD and the City of Baton Rouge, as well as other DOTs across the country, pertaining to **Stage 0 feasibility studies**, transportation management plans, **traffic and safety studies**, NEPA studies, **pedestrian and bicycle safety studies and design**, access management, signal design, and signing/marking design. He has experience and proficiency in IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software. Mr. Deitch is familiar with **LADOTD's Complete Streets Policy** and applying associated requirements on projects.
02/23 – 05/24	**Safety Studies IDIQ - District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Project Manager.* Responsible for contract management and technical advisory for this Stage 0 Feasibility study to ***develop and evaluate safety countermeasures to address pedestrian safety needs on 7 corridors within Caddo and Bossier Parish***. The study methodology was similar to that of a Road Safety Assessment, and included historical crash analysis and on-site field reviews to identify pedestrian safety needs. Countermeasures were developed in close coordination with project stakeholders including City of Bossier, City of Shreveport, NLCOG, Downtown Development Distriction, and District 04. Stakeholders also participated in virtual and on-site field reviews. Study data, methods, and results were documented in ***Stage 0 Feasibility Reports,*** which were were completed for all 7 study corridors with ***Preliminary Scope and Budget Checklist*** and ***Environmental Checklist.*** Performed ***benefit-cost analysis*** to aid in prioritizing the implementation of countermeasures.
04/16 – 09/18	**Safety Studies IDIQ - New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA.** *Project Manager.* Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes and ***selecting safety countermeasures for 20 high-risk locations***. Developed design drawings and conducted ***benefit-cost analysis*** to inform project prioritization. Conducted safety analysis using ***Highway Safety Manual predictive methods***. Organized and lead project stakeholder meetings to review alternatives, obtain feedback, and develop ***context sensitive solutions***. Completed ***Stage 0 documentation*** including ***Preliminary Scope and Budget and Environmental Checklists***.
09/24 – Ongoing	**Safety Studies IDIQ – Keyser Avenue Pedestrian Safety Improvements, LADOTD, Natchitoches Parish, LA.** *Project Manager.* The project scope includes developing a Stage 0 ***feasibility study*** to evaluate and develop ***safety improvements for non-motorized modes of transportation***. Arcadis performed an analysis of ***pedestrian safety data*** including hisotrical crash data and StreetLight data to determine the need for pedestrian infrastructure improvements. The ***VRU analysis tool*** was utilized to determine portions of the corridor with the greatest need for safety improvements for non-motorized modes.

03/18 – 06/21	**Safety Studies IDIQ - Baton Rouge Pedestrian and Bicycle Master Plan, Safety Action Plan, and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA.** *Traffic Engineer.* Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the development of ***screening criteria*** to identify high priority locations with a history of pedestrian and/or bicycle crashes. Participated in ***Road Safety Audits (RSAs)*** at 10 priority locations to identify and evaluate safety deficiencies and ***develop safety countermeasures*** to ***improve safety for pedestrians and bicyclists***.
04/21 – 06/22	**Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA.** *Project Manager.* Responsible for managing project tasks and deliverables that Arcadis is responsible for and ensuring QAQC protocols are performed. Arcadis is performing all ***crash data analysis*** tasks for the ***SHSP update***, including a ***statistical analysis of existing emphasis areas*** and evaluating potential modifications to emphasis areas.
04/16 – 10/19	**Safety Studies IDIQ - I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA.** *Traffic Engineer.* Conducted ***traffic analysis*** using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives. Developed ***conceptual drawings*** and ***construction cost estimates*** to evaluate the ***feasibility*** of proposed alternatives.
02/17 – 02/18	**Safety Studies IDIQ - I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA.** *Traffic Engineer.* Responsible for ***data collection and analysis***, ***traffic analysis***, and ***conceptual design drawings***. Purpose was to identify ***feasible improvement alternatives*** to address safety issues along the I-49 corridor at 3 interchanges. Participated in meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions.
08/14 – 06/15	**Safety Studies IDIQ - LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA.** *Traffic Engineer***.** Responsible for review of existing ***crash data*** and ***traffic operations analysis***, development of ***safety countermeasures***, conceptual drawings, and ***Stage 0 documentation***. Purpose of the project was to develop ***access management strategies*** and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the corridor. Safety performance of alternatives were estimated using ***Highways Safety Manual predictive methods***.
10/18 – 03/21	**Safety Studies IDIQ - LA 3040 Corridor Improvements, LADOTD, Houma, LA.** *Senior Traffic Engineer.* Study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to ***evaluate reasonable alternatives to address any deficiencies discovered***. Arcadis performed traffic analysis using Highway Capacity Software in accordance with LADOTD TEPR Requirement.
01/19 – 05/20	**Safety Design IDIQ - US 90 Ramps at LA 88 Roundabouts, Iberia Parish, Louisiana.** *Transportation Engineer.* Assisted with permanent signing and striping components of ***roadway safety design plans*** for proposed roundabouts.
02/15 – 08/17	**US 71 Corridor Phase II Traffic and Safety Study, LADOTD; Rapides Parish, LA.** *Traffic Engineer.* Responsible for providing ***traffic data collection***, warrant studies, ***traffic analysis, safety data analysis***, and development of ***conceptual layouts***. Responsible for the development of ***conceptual design drawings*** and ***construction cost estimates*** for proposed alternatives. Assisted with ***Stage 0 documentation*** including ***Preliminary Scope and Budge and Environmental Checklists***.
08/19 – 02/20	**US 61 Access Management and Corridor Improvements (Airline Hwy), LADOTD, East Baton Rouge Parish, LA.** *Traffic Engineer.* Project purpose was to evaluate the effectiveness of proposed ***access management improvements*** along US 61 and identify ***feasible alternatives*** to maximize operational and safety benefits. Evaluated the need for pedestrian and bicycle accommodations based on historical crash data and adjacent land use. Assisted with the development of ***construction cost estimates*** and ***benefit-cost analysis*** to compare the effectiveness of proposed alternatives.

Data Analysis/Network Screening and Feasibility/ Engineering Studies and Project Development

Firm employed by. ARCADIS				Meets MPR No. 6
Name	Justin Maderia, PE, PTOE, PTP		Years of relevant experience with this employer	18
Title	Senior Traffic and Safety Engineer		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			MS / 2005 / Civil Engineering; BS / 2004 / Civil Engineering	
Active registration number / state / expiration date			PE.0038492 / LA / 03/2026; PTOE #3455 / USA / 07/2027; PTP #604 / 07/2026	
Year registered	2013	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Data Analysis / Network Screening, Feasibility / Engineering Studies and Project Development**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Maderia's experience in transportation engineering includes a range of services, such as project engineer responsible for **safety studies**, **feasibility studies**, traffic flow/demand modeling, spot speed studies, micro-simulation modeling, and traffic noise modeling. His experience with safety studies includes **crash review and analysis**, **development of safety improvements** and countermeasures, and application of Highway Safety Manual (HSM) methodologies to evaluate the effectiveness of safety improvements. Mr. Maderia has experience with **network screening and systemic safety analysis** to identify and prioritize the implementation of safety projects. He has also served as the project engineer responsible for the design of highway projects. Specific design experience includes maintenance of traffic design, traffic control plan design, roadway geometry, horizontal and vertical alignment design. His software program experience includes IHSDM, AutoCAD, MicroStation, Geopak, AutoTurn, SignCAD, GIS, TNM, CORSIM, VISSIM, HCS and all Microsoft Office Applications.
04/18 – 04/21	**Local Road Systemic Safety Analysis, ODOT, Statewide, OH.** *Lead Engineer.* As a key contributor to Ohio's SHSP, Arcadis worked as an extension of ODOT's Office of Program Management to ***perform network screening and data-driven systemic safety analyses*** across four task orders. These included pedestrian crash screening, citywide crash screening, bicycle route safety analysis, and expanded regional pedestrian analysis, focusing on identifying risk factors, prioritizing safety improvements, and ***developing interactive tools like ArcGIS Online applications.*** Each task order involved ***collecting and evaluating crash data, developing crash trees and risk scores, and identifying high-risk facilities and network segments*** to recommend countermeasures and support safety funding applications. This collaborative effort emphasized raising awareness of Ohio's SHSP emphasis areas and improving safety outcomes statewide.
04/21 – 06/22	**Louisiana Strategic Highway Safety Plan Update, LADOTD, Statewide, LA.** *Senior Safety Analyst*. Responsible for QAQC of ***crash data analysis*** tasks for the ***SHSP update***, including ***statistical analysis of existing emphasis areas*** and evaluating modifications to emphasis areas.
09/17 – Ongoing	**Safety Study Task Order Contracts, ODOT, Statewide, Ohio.** *Lead Engineer.* Responsible for completing ***site specific safety studies*** on a task order basis. Each safety study includes a site visit, ***existing conditions inventory***, preparing existing conditions plans, collecting traffic counts, forecasting traffic volumes, ***reviewing 3 year crash history***, ***completing ODOT's CAM Tool***, capacity analysis, ***CMF Clearinghouse to test counter-measures***, schematic diagrams, cost estimating, completing ODOT's ECAT, ***writing a safety study technical report***, applying for safety funding from ODOT, and presenting the project to ODOT's Office of Program Management for the chance to be awarded safety funding.

02/17 – 02/18	**Safety Studies IDIQ - I-49 Interchange Stage 0 Safety Feasibility Study, LADOTD, Lafayette Parish, LA.** *Traffic Engineer.* Responsible for data collection and analysis, ***traffic and safety analysis***, and conceptual design drawings. Purpose of the project was to identify feasible improvement alternatives to ***address historical safety issues*** along the I-49 corridor and at 3 interchanges. Participated with meetings with LADOTD HQ and District 03 team members to understand project needs and develop context sensitive solutions.
03/16 – 07/18	**Safety Studies IDIQ - I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA.** *Traffic Engineer*. Evaluated safety based on ***crash analysis, the HSM predictive methods and the ISATe tool*** for Freeways. ***Estimated costs and safety benefits*** to evaluate the feasibility of proposed alternatives. Analyzed speed data and volume data and developed figures for various hard shoulder running locations.
08/14 – 06/15	**Safety Studies IDIQ - LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA.** *Traffic Engineer***.** Responsible for ***review of existing crash data*** and traffic operations analysis, ***development of safety countermeasures***, conceptual drawings, and Stage 0 documentation. Purpose of the project was to develop access management strategies and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the corridor. Safety performance of alternatives were estimated using ***Highways Safety Manual predictive methods.***
01/14 – 02/17	**US 71 Corridor Phase I Traffic and Safety Feasibility Study, LADOTD, Rapides Parish, Louisiana.** *Traffic Engineer*. Responsible for independent review of traffic and ***safety analysis***, VISSIM animations, and final Stage 0 documentation. Purpose of the project was to identify operational and safety needs and ***determine the safety effectiveness of alternative concepts*** that incorporated innovative intersections, roundabouts, frontage road improvements, and signal timing improvements.
02/15 – 08/17	**US 71 Corridor Phase II Traffic and Safety Feasibility Study, LADOTD; Rapides Parish, LA.** *Traffic Engineer.* Responsible for providing traffic data collection, warrant studies, traffic analysis, ***safety data analysis***, and development of conceptual layouts. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budge and Environmental Checklists.
02/15 – 08/17	**Evangeline Thruway, Johnston St, & Louisiana Ave. Traffic and Safety Feasibility Study, LADOTD, Lafayette Parish, Louisiana**. *Traffic Engineer.* Responsible for the operational and ***safety analysis of project alternatives*** including existing, no-build, and build conditions. A calibrated VISSIM model was developed and used to analyze the various scenarios. Build alternatives included CFI, RCUT, and MUT concepts. The primary objective of the study is to ***identify reasonable alternatives that address the purpose and need*** and conduct a benefit/cost analysis to the operational and ***safety effectiveness of alternatives***.
11/20 – Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Traffic Engineer.* Responsible for traffic engineering tasks related to the development of transportation managemnet plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive ***historical crash and safety analysis*** is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.

Firm employed by. HDR			Meets MPR No. 7
Name	Dan Cook, PE, RSP2	Years of relevant experience with this employer	5
Title	Senior Traffic Engineer / Data Analysis Lead	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization	MS / 2010 / Civil Engineering (Transportation Engineering), Iowa State University BS / 2009 / Civil Engineering, Iowa State University		
Active registration number / state / expiration date	E-16679 / NE / 12/27; P26011 / IA / 12/27; 23725 / KS / 04/26; RSP #240 11/27		
Year registered	2014	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Data Analysis / Network Screening		

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Cook is a **Senior Traffic Engineer with over 17 years' experience**. His traffic safety experience includes numerous NCHRP and FHWA projects as well as **state and county road safety plans**. He has supported LADOTD in the development of the **SHSP and VRU Safety Assessment for Louisiana**, including the development of a **prioritization process to identify areas with the greatest need for safety improvements**. He is currently the **Principal Investigator of NCHRP Project 17-119**, "Conflict-Based Crash Prediction Method for Intersections." Dan is also the **Principal Investigator of NCHRP Project 17-126**, "Crash Prediction Models for Alternative and Unconventional Intersections." He was a **key member** of the team that developed the **2nd Edition of the Highway Safety Manual for NCHRP Project 17-71A**.
11/22 – Ongoing	**District Safety Plans Update, MNDOT, Statewide, MN.** *Senior Traffic Engineer.* Lead coordinator for the ***development of safety plans*** for two districts in Minnesota. Coordinated with district traffic engineers to make sure their district roadway networks were complete prior to performing ***data collection analysis***. Identified sustained high-crash locations for intersections and curves statewide.
08/24 – Ongoing	**NCHRP Project 17-126: Crash Prediction Models for Alternative and Unconventional Intersections, TRB, Lafayette Parish, US.** *Principal Investigator.* Leading NCHRP Project 17-126 which is developing ***crash prediction models*** that address intersection types that are not addressed in the Highway Safety manual or the upcoming HSM2. Overseeing all aspects of the project, including coordination with several state DOTs to obtain data, two subconsultants, data scientists and statisticians.
07/24 – Ongoing	**NCHRP Project 17-119: Conflict-Based Crash Prediction Methods for Intersections, TRB, US.** *Principal Investigator.* Leading NCHRP Project 17-119 which is developing a quantifiable method to uniformly identify and describe at-grade intersection conflict point types under different context and ***developing and validating a predictive methodology*** using intersection conflict point types to predict multimodal crash frequency and severity to supplement those in the HSM Part C.
03/23 – 04/25	**Vulnerable Road User (VRU) Safety Assessment, LADOTD, Statewide, LA.** *VRU Safety Assessment Data Analysis Lead.* The data analysis included ***descriptive statistics of VRU crashes*** in Louisiana and ***identifying statewide trends***. Led the ***development of safety performance functions*** to calculate the excess expected crash frequencies for pedestrian and bicycle collisions for equal-area hexagons across the state. Target analysis areas were defined as the top 20 polygons for excess expected crash frequency. Led the ***development of a prioritization process*** for identifying areas within the target analysis areas, which generated priority maps.
04/21 – 05/25	**Strategic Highway Safety Plan Update (SHSP) Development and Planning, LADOTD, Statewide, LA.** *Senior Traffic and Safety Engineer.* Analyzed and updated ***crash data***; reviewed peer state ***SHSPs***; reviewed the ***SHSP process approval checklist***; developed ***marketing and engagement plans***; and prepared the ***2023 Strategic Communication Plan***. HDR also designed several marketing materials, including the 2025 Destination Zero Deaths (DZD) brochure. Supported LADOTD in the planning, redesign, and development of the DZD website.

02/24 – 05/25	**County Road Safety Plans Phase 3, MNDOT, Statewide, MN.** Data Lead. Led the development of roadway segments, intersections, and curves for several locations in Minnesota. Coordinated with ***GIS analysts*** to build the networks during the data collection process. Performed ***data analysis and network screening*** to Identify sustained high-crash locations.
06/24 – Ongoing	**Traffic Safety and Strategies Evaluation, MNDOT, Statewide MN.** *Evaluation Lead*. Developed data collection and evaluation plan for determining the effectiveness of rest-in-red signal operations. Developed evaluation plan for evaluating the safety effectiveness of different roundabout design elements.
01/21 – 05/24	**NCHRP Project 17-71A: Proposed AASHTO Highway Safety Manual, Second Edition, TRB/TTI, US.** *Task Lead*. Led revising content in Part B chapters of the HSM (Roadway Safety Management Process). Developed sample problems for Part B chapters.
10/23 – 07/2025	**Des Moines Area MPO Comprehensive Safety Plan Update, Des Moines, IA.** *Safety Engineer*. Assisted with network development and reviewed risk factor analysis, including reviewing high injury network, high risk network, and high priority network development. Assisted with safety project development discussions with municipalities in the Des Moines MPO.
03/22 – 12/22	**US-20 Ashton to SH-87 PEL Study, Idaho Transportation Department, Ashton, ID.** *Safety Lead*. Performed safety analyses for the Level 2 and Level 3 analyses of the PEL project. These analyses included surrogate safety analysis as well as crash prediction analysis.
07/23 – Ongoing	**Rathdrum Prairie PEL Study, Idaho Transportation Department, Coeur d'Alene, ID.** *Safety Lead*. Performed network screening analysis and developed safety project recommendations for Level 1 of the PEL study. Performed surrogate safety analysis of 15 transportation alternatives for Level 2 of the PEL study. A crash predictive analysis will be conducted for alternatives in Level 3 of the PEL study.
01/20 – 08/22	**3R Highway Safety Manual Safety Analysis Tool, Nebraska DOT, Statewide, NE.** *Tool Development Lead*. Led the development of a 3R HSM Analysis Tool to allow designers to project safety benefits associated with practical design improvements. Dan also developed a user guide and an online training course for using the tool.
01/20 – 12/22	**Performance-Based Practical Design, Kansas DOT, Statewide, KS.** *Tool Development*. Provided guidance on safety methods to include in a benefit-cost based Excel tool to compare combination of lane and shoulder width alternatives at the proejct level to evaluate the trade-offs, while considering user cost impacts.

Firm employed by. ARCADIS			Meets MPR No. 5
Name	Max Aguirre, PhD, PE, PTOE, RSP2I	Years of relevant experience with this employer	6
Title	Traffic and Safety Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	PhD / 2018 / Engineering Science, LSU MS / 2015 / Construction Management, LSU; BS / 2013 / Civil Engineering, LSU		
Active registration number / state / expiration date	Professional Engineer – LA / PE.0047579 09/2027; PTOE #5291 / USA / Exp. 7/2028; RSP2I #182 / USA / Exp. 7/2027		
Year registered	2023	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Data Analysis / Network Screening, Feasibility / Engineering Studies and Project Development, Technical Reviews**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Dr. Aguirre is a Professional Engineer specializing in traffic engineering studies and design. Dr. Aguirre has experience working on projects for Louisiana Department of Transportation and Development (LADOTD) pertaining to **traffic and safety studies, Stage 0 feasibility studies, pedestrian and bicycle improvements**, permanent signing design, signal design, and NEPA studies. He is also familiar with the **Highway Capacity Manual**, **Highway Safety Manual**, MUTCD, and AASHTO "Green Book". Dr. Aguirre is also knowledgeable in the application of several software programs including **Interactive Highway Safety Design Model**, SYNCHRO, **Highway Safety Software (HSS)**, GuidSIGN, HCS and MicroStation software.
02/23 – 05/24	**Safety Studies IDIQ - District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Traffic Engineer.* Responsible for conducting all traffic and safety tasks needed for this Stage 0 Feasibility study to ***develop and evaluate safety countermeasures to address pedestrian safety needs on 7 corridors within Caddo and Bossier Parish***. The study methodology was similar to that of a ***Road Safety Assessment***, and included historical crash analysis and on-site field reviews to identify pedestrian safety needs. Countermeasures were developed in close coordination with project stakeholders including City of Bossier, City of Shreveport, NLCOG, Downtown Development Distriction, and District 04. Stakeholders also participated in virtual and on-site field reviews. Study data, methods, and results were documnted in a ***Stage 0 Feasibility Reports*** were completed for all 7 study corridors with ***Preliminary Scope and Budget Checklist*** and ***Environmental Checklist.*** Performed ***benefit-cost analysis*** to aid in prioritizing the implementation of countermeasures.
09/19 – 03/21	**Safety Studies IDIQ - LA 3040 Corridor Improvements, LADOTD, Houma, LA.** *Traffic Engineer.* Study to identify safety and/or operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to ***evaluate reasonable alternatives to address safety and operational needs***. Responsible for performing traffic analysis using Highway Capacity Software in accordance with LADOTD TEPR Requirement.
09/19 – 06/21	**Safety Studies IDIQ - Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments, LADOTD, East Baton Rouge Parish, LA.** *Traffic Engineer*. Assisted with the ***assessment of existing and future safety deficiencies*** related to ***pedestrian and bicycle modes*** at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the ***development of network screening criteria*** to identify high priority locations with a history of pedestrian and/or bicycle crashes. Assisted in the development of ***Road Safety Assessments (RSAs)*** at 10 priority locations to identify and evaluate

	safety deficiencies and develop safety countermeasures to improve safety for pedestrians and bicyclists. Evaluated alternatives to ***determine and document the feasibility of proposed countermeasures***. Developed ***benefit-cost analysis*** to prioritize implementation of proposed improvements.
09/24 – Ongoing	**Safety Studies IDIQ – Keyser Avenue Pedestrian Safety Improvements, LADOTD, Natchitoches Parish, LA.** *Traffic Engineer.* The project scope includes developing a Stage 0 ***feasibility study*** to evaluate and develop ***safety improvements for non-motorized modes of transportation***. Arcadis performed an analysis of ***pedestrian safety data*** including hisotrical crash data and StreetLight data to determine the need for pedestrian infrastructure improvements. The ***VRU analysis tool*** was utilized to determine portions of the corridor with the greatest need for safety improvements for non-motorized modes. Responsible for QAQC of ***traffic engineering tasks*** including ***data collection***, ***operational analysis***, and ***alternative development***.
11/20 – Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Traffic Engineer*. Assisting in ***traffic engineering*** tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Assisted in the development of ***existing condition safety analysis*** including tasks such as ***crash data analysis, collision diagrams, and crash report documentation***.
10/19 – 07/21	**I-10 New Orleans to Slidell Hard Shoulder Running Feasibility Study, LADOTD, Orleans Parish, LA.** *Traffic Engineer*. Purpose of the project was to evaluate the ***feasibility*** of implementing HSR lanes along I-10 to alleviate existing bottlenecks and congestion along critical segments of the corridor. Developed conceptual drawings and typical sections, ***crash analysis,*** and ***predictive safety analysis*** for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell. Developed benefit-cost analysis for ***Preliminary Scope and Budget*** and ***Environmental Checklists***.
08/19 – 02/20	**US 61 Access Management and Corridor Improvements (Airline Hwy), LADOTD, East Baton Rouge Parish, LA.** *Traffic Engineer*. Project purpose was to evaluate the effectiveness of proposed ***access management improvements*** along US 61 and identify feasible alternatives to ***maximize operational and safety benefits***. Evaluated the need for pedestrian and bicycle accommodations based on historical crash data and adjacent land use. Assisted in conducting ***traffic analysis*** and the development of ***benefit-cost analysis*** to compare the effectiveness of the proposed alternatives.
02/23 - Ongoing	**Stage 0 Feasibility Study and Design - Cross Bayou Bridge Replacement, LADOTD, Caddo Parish, LA.** *Traffic Engineer.* Conducted ***Stage 0 Feasibility study*** to develop and evaluate alternatives for the replacement of two existing bridges over Cross Bayou. Developed ***Stage 0 Documentation*** including ***Preliminary Scope and Budget*** and ***Environmental Checklists***. The next phase of the project will be conducted under the same contract and will include the development of construction plans.
09/19 – Ongoing	**I-49 (Ricohoc to Berwick) Supplemental Environmental Impact Assessment, LADOTD, St. Mary Parish, LA.** *Traffic Engineer.* Assist in project tasks involving planning and evaluation of different ***interchange alternatives*** and their ***geometric design, socio-economic impacts, mobility impacts, and environmental impacts***.

Firm employed by.	vhb		
Name	Kristin Kersavage, PhD, PE	Years of relevant experience with this employer	6
Title	Transporation Safety Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization	PhD / 2019 / Civil Engineering, The Pennsylvania State University BS / 2012 / Civil and Environmental Engineering, The George Washington University		
Active registration number / state / expiration date	PE. #0402063339/ VA / Exp. 12/2027		
Year registered	2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Data Analysis / Network Screening, Trainings**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Dr. Kersavage has **13 years of experience in transportation safety research, data collection, and statistical analysis**. As a researcher, she has focused on **highway safety analysis**, speed management, and highway geometric design. Dr. Kersavage's work has included performing **safety analyses for state and local governments, developing analysis methodologies for different types of roadways, and performing human factors research studies**. Dr. Kersavage has served as project manager for many FHWA and NCHRP projects and is currently the Program Manager for FHWA's Human Factors On-Site contract at Turner-Fairbank Highway Research Center. She has been a part of **developing NHI courses**, including Update and Redevelop NHI Course 380100 Interactive Highway Safety Design Model (IHSDM) Blended and Video-Based Mini-modules in Support of Designing and Operating Roadways for Safe Speeds Training Course. She also **serves as an instructor** for the following NHI courses: Highway Safety Manual (HSM) Practitioners Guide for Geometric Design Features (NHI-380070) and Performance-based Flexibility in Geometric Design (NHI-380129).
05/19 – 08/22	**DDSA Technical Assistance: LADOTD Systemic Pedestrian Analysis, LADOTD, FHWA.** *Researcher/ Analyst*. Aided LADOTD to perform a ***systemic pedestrian analysis*** for certain road classifications and area types. The project included reviewing crash, roadway, and traffic that could support systemic pedestrian analysis in Louisiana; ***conducting a systemic pedestrian analysis*** for a sample of data to ***identify risk factors*** related to fatal and serious injury pedestrian crashes; aiding in delivering a ***1-day systemic training to LADOTD and their partners*** supporting systemic analysis in Louisiana; and identifying opportunities to collect additional elements in the future to enhance systemic pedestrian analysis.
06/20 – 08/22	**Update and Redevelop NHI Course 380100 Interactive Highway Safety Design Model (IHSDM) Blended, FHWA/NHI.** *Subject Matter Expert.* Updated and developed the ***NHI course*** for FHWA's IHSDM. The project included integrating new features of the IHSDM into the training, as well as ***restructuring the course*** to include both synchronous and asynchronous formats. Helped with ***technical components of the course update***, including bringing expertise in using the IHSDM.
08/21 – 05/22	**Video-Based Mini-modules in Support of Designing and Operating Roadways for Safe Speeds Training Course, NHI.** *Subject Matter Expert*. Developed the ***video-based mini-modules*** for designing and operating roadways for ***safe speeds training course***. The content includes ***learning and evaluation mechanisms*** which serve as a precursor to an instructor lead training portion. Dr. Kersavage brought her expertise in speeding, speed management, design, and automated speed enforcement to help develop the course.
06/19 – 06/21	**NCHRP 17-68: Intersection Crash Prediction Methods for the Highway Safety Manual, NCHRP.** *Researcher.* Helped develop ***safety performance functions and crash modification factors*** for various alternative interchange types, including single-point

	diamond interchanges and tight diamond interchanges. ***Crash prediction models*** were developed using crash and roadway data from multiple states
09/20 - Ongoing	**Highway Safety Improvement Program, DDOT, Washington, DC.** *Safety Analyst*. Performed the ***Highway Safety Manual (HSM) analysis*** and economic analysis for the District of Columbia Department of Transportation's Highway Safety Improvement Program (HSIP). The project aims to analyze existing intersections and recommend ***safety improvements*** to the intersection. ***Analyzed existing safety conditions*** for each intersection using the HSM predicted analysis. Once countermeasures were selected for each intersection, performed the economic analysis to determine the benefit-cost ratio for the improvements.
09/20 – 09/23	**Pedestrian Safety Countermeasure Pilot on Suburban Arterials, VDOT, Multiple locations in Virginia.***Safety Analyst.* The purpose of this project is to identify and pilot various ***pedestrian safety countermeasures*** on suburban corridors. Assisted in all aspects of the project, including site selection, field review, ***diagnosis of safety issues and countermeasure selection***, determination of countermeasures for piloting, and development of research plans for the select pilot countermeasures.
06/19 – Ongoing	**Maintenance of the Highway Safety Information System (HSIS), FHWA, Nationwide.** *Research Analyst.* Assisted with management associated with ***operating and maintaining the Highway Safety Information System (HSIS)***. Served as manager of the HSIS lab which is a part of FHWA's Office of Safety Research and Development. Also performed various research activities that are a part of the overall project that used HSIS data. One project included ***performing crash modeling techniques*** using HSIS crash and roadway data and speed data from HERE for Charlotte, NC, which were combined into various databases, including a segment database and a crash-based database. ***Crash severity and crash probability models*** were developed to determine the odds of a pedestrian-related crash, with and without utilizing probe speed data.

Firm employed by. vhb			
Name	Samantha Arnold, PE	Years of relevant experience with this employer	4
Title	Traffic and Safety Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		MS / 2018 / Civil Engineering, Northeastern University BS / 2013 / Civil Engineering, Clarkson University	
Active registration number / state / expiration date		PE. #105977 / NY / Exp. 05/2027	
Year registered	2022	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Data Analysis / Network Screening, Complete Streets Policy / Steering Committee Support**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Arnold is a **Transportation Safety Analyst** in VHB's Raleigh, North Carolina, office **with 12 years of engineering experience**. Her **background includes traffic safety analysis**, telecommunications site design, highway design, and traffic operations. Her diverse engineering experience, academic background, and her **passion for improving safety and mobility for all road users** provide for a wholistic approach in her work as a Transportation Safety Analyst.
01/25 – Ongoing	**Complete Streets – Implementation Best Practice for HSM2, FHWA.** *Transportation Safety Analyst.* VHB is tasked with development of an implementation best practice for the new procedures, analysis techniques, and methodologies related to pedestrian and bicyclist safety performance measures introduced in the forthcoming second edition of the Highway Safety Manual (HSM2). The resulting documentation will support project-level decision making within the context of Complete Streets projects. Leading the ***initial HSM2 review and conducting a sensitivity analysis*** for elements included in the predictive models for pedestrians and bicyclists in Parts B and C of HSM2.
09/23 – 09/24	**Rural Two-Lane Highway SPF Calibration, MassDOT, MA.** *Transportation Safety Analyst*. VHB was tasked with calibrating the Highway Safety Manual (HSM) Safety Performance Functions (SPFs) in Chapter 10 and incorporating the changes that are expected to be part of the forthcoming second edition of the HSM for rural two-lane highways in Massachusetts. Led the ***data collection*** efforts and supported the development of calibration ***factors and calibration functions***. Also led the effort to develop ***dynamic spreadsheet tools*** for implementation of results.
04/24 – 04/25	**Ramp SPF Calibration, VDOT, VA.** *Transportation Safety Analyst.* VHB was tasked with calibrating HSM Chapter 19 project design-level SPFs for freeway ramps and collector-distributor roads in Virginia. Led the ***data collection*** efforts, and supported the development of ***calibration factors and functions*** for ramps and collector-distributor roads.
09/22 – 09/24	**Safety Effects of Freeway Rumble Strips on Crash Severity, FHWA.** *Transportation Safety Analyst.* VHB was tasked with development of crash modification factors (CMFs) capturing the effects of shoulder rumble strips on freeway tangent and curve segments in rural and urban areas. VHB performed a rigorous before-after evaluation on 800 freeway miles of reference and treatment sites across three states to develop CMFs and recommend updates to Chapter 18 of the forthcoming second edition of the Highway Safety Manual. Led the ***data collection*** efforts, which included desktop research and integration of resulting datasets with ***crash and traffic data*** using GIS.

05/23 – 08/23	**Henderson Bridge Phase 2 Multimodal Connectivity, RIDOT, Providence, RI.** *Transportation Safety Analyst*. assisted RIDOT with a grant application for this project which involves redesign of a freeway ramp, a bridge, and multiple surface streets to install dedicated bicycle infrastructure. Supported this project by modeling the study area using ***Highway Safety Manual Part C spreadsheet tools*** for urban/suburban arterials and intersections and ***Enhanced Interchange Safety Analysis Tools (ISATe)*** for freeway ramps and ramp terminals to ***predict crashes under current and future conditions***. The project team used these crash predictions to estimate the impacts of the new facilities on bicycle and vehicle crashes in the study area.
09/22 – 03/23	**North-South Routes, Loudoun County/Western County, Loudoun and Western Counties, VA.** *Transportation Safety Analyst.* VHB conducted a study of existing and future traffic operations and safety to identify improvements needed to accommodate future increase in traffic volumes in Loudoun and Western counties in Northern Virginia. Modeled the corridors in ***IHSDM*** in order to ***identify possible areas for safety improvements.*** Also worked with the project team to develop a ***set of recommendations for improvements*** along the corridors.
01/23 – Ongoing	**Intersect Conflict Warning System (ICWS) Pilot Study, NHDOT, NH.** *Transportation Safety Analyst.* NHDOT is conducting a pilot study of three ICWS installations in NH. Results of the pilot study will inform future implementation protocols for ICWS as an intersection-related countermeasure at rural stop-controlled intersections across the state. Led the ***gap analysis*** portion of the project from ***data collection through evaluation of results***. Also drafted the ***technical memorandum*** summarizing and analyzing results across the broader pilot study.
01/24 – 04/24	**Video Analytics System, Osceola County, FL.** *Transportation Safety Analyst.* The goal of this project was to evaluate a ***novel video analytics system*** that uses computer vision and artificial intelligence to provide real-time transportation data to ***improve safety and operations*** as part of the County's connected and automated vehicle program. VHB was tasked with evaluation of the system from a safety analysis standpoint. Supported this project by performing a ***detailed site review*** and used the data dashboard in the new analytics system (e.g., recordings of near-miss events, lane compliance violations, and dangerous pedestrian maneuvers) to diagnose ***potential safety issues*** and provide ***data-driven countermeasure recommendations*** for four intersections.
07/24 – 06/25	**Wrong Way Driving Action Plan, NHDOT,NH.** *Transportation Safety Analyst.* Served as an analyst in conducting a network screening effort to identify and prioritize high-risk locations for wrong way driving on exit ramps connected to controlled access facilities in NH. Led the documentation of ***relevant risk factors and network screening efforts*** in support of the action plan. Also drafted the ***countermeasures series*** included in the action plan, which includes a targeted array of behavioral, geometric, active, and passive measures to combat wrong way driving statewide across NH.

Firm employed by.			
Name	Md Shakir Mahmud, PhD	Years of relevant experience with this employer	3
Title	Transportation Safety Analyst	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	PhD / 2022 / Civil Engineering, Michigan State University MS / 2017 / Civil Engineering, University of Pittsburgh BS / 2015 / Civil Engineering, Bangladesh University of Engineering and Technology		
Active registration number / state / expiration date	N/A		
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities	**Data Analysis / Network Screening**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Dr. Mahmud is a Transportation Safety Analyst at VHB. His research has focused on how road users' behavior changes in consideration of roadway characteristics, traffic conditions, and different traffic control devices, and how this changed behavior impacts traffic operations and safety. **His current work focuses on developing safe system approach frameworks and supporting different state agencies to adopt systemic approach to safety. He specializes in developing statistical models to evaluate the operational and safety effectiveness of different countermeasures and analyzing crash data**. He has authored more than 30 peer-reviewed journals and technical reports. He is a recipient of several best paper awards from the Transportation Research Board (TRB) and the Institute of Transportation Engineers (ITE).
06/25 – Ongoing	**Update Vulnerable Road User (VRU) Safety Assessment, DDOT, Washington, DC.** *VRU Data Analysis Lead*. Led the update of the ***District DOT's VRU Safety Assessment Guide,*** incorporating a framework to identify, ***prioritize, and mitigate safety risks*** for pedestrians, bicyclists, and other non-motorized users across the District. The update advances a data-driven, Safe System-based approach, integrating systemic safety analyses and strategies centered on visibility, mode separation, speed management, impairment reduction, and equity. Also developed and refined evidence-based countermeasures that promote safer speeds, enhance visibility, and reduce conflicts between travel modes. In addition to the analytical work, structured the program of strategies and implementation framework, linking crash data insights with DDOT's ongoing initiatives, including the Traffic Safety Input (TSI) Program, Annual Safety Program (ASaP), and Vision Zero efforts, to guide targeted, equitable safety investments citywide.
06/25 – Ongoing	**Development of Traffic Safety Input (TSI) Prioritization Model for VRU, DDOT, Washington, DC.** *Task Lead.* Led the development of the ***Traffic Safety Input (TSI) Prioritization Model for Vulnerable Road Users (VRUs)***, an initiative aimed at advancing DDOT's data-driven approach to identifying and prioritizing high-risk locations for safety improvements. As part of this effort, conducted ***comprehensive intersection-level and segment-level VRU crash analyses*** to identify ***key risk factors*** contributing to pedestrian and bicyclist crashes across the District. These risk factors are being translated into a quantitative scoring and ranking system that categorizes DDOT's roadway segments and intersections into distinct risk tiers, guiding proactive safety investments.
09/22 – 07/24	**Safe System-Based Approach to Roadway Departure Safety Management, FHWA, Nationwide.** *Lead Analyst.* Core member of the VHB team developing a Safe System-based framework by which practitioners can assess roadway and roadside planning and design decisions with the goal of minimizing roadway departure-related fatalities and serious injuries. Co-developed the ***Safe System Approach for Roadway Departure (SSA-RwD) framework***. He has helped integrating exposure,

	severity, and encroachment multipliers into a practical assessment tool, supporting agencies to evaluate roadway segments for Safe System alignment using available data and risk scoring techniques.
02/24 – Ongoing	**Investigation and Enhancement of Roadside Safety Analysis Tools to Improve Performance-Based Design, FHWA, Nationwide.** *Lead Analyst.* Led the development of an ***Excel-based tool*** to evaluate roadway segments, projects, and alternatives alignment with ***Safe System Approach principles***. Building on FHWA's SSA-RwD framework, integrated roadway geometry, traffic characteristics, roadside features, countermeasures, and contextual risk factors into a practical application for planning and scoping decisions. In addition to shaping the tool's methodological foundation, designed user workflows, analysis outputs, and instructional materials, allowing agencies to compare alternatives, assess safety countermeasures, and prioritize investments aligned to Safe System objectives.
09/20 – 06/23	**NCHRP 15-75: Update of the Policy on Geometric Design of Highways and Streets Guidance on Acceleration/Deceleration and Stopping Sight Distance Criteria, NCHRP, MI, PA, NC, and CA.** *Data Collection Expert***.** Led a team of ***data collectors*** for vehicle speed profile and driver eye height data collection from selected sites in Michigan, Pennsylvania, North Carolina, and California. Developed speed profiles for entry and exit ramp vehicles and compared them with the existing recommended length to potentially update the acceleration/deceleration distance requirement in the AASHTO Greenbook. Also processed driver eye height information and compared it with the existing range to check for scopes to update this information.
01/23 – 12/24	**HSIP Pedestrian Safety Studies for Two Corridors, NCDOT, Charlotte, NC.** *Safety Analyst.* Member of the VHB team conducting two corridor studies in Charlotte to develop recommendations to ***improve safety for all roadway users***, particularly for pedestrians. The purpose of the studies is to ***identify countermeasures and strategies*** for partners to implement. Assessed existing multimodal travel conditions and development within the corridor. Additionally, collected and analyzed speed data from different sources (NCDOT, Streetlight, Iteris), information about traffic ordinances, and other known traffic characteristics to create an accurate assessment of the corridor's operation.
02/22 – 09/25	**IMPACT Phase II, MassDOT, Statewide, MA.** *Safety Analyst.* Conducted a series of ***systemic analyses*** for MassDOT targeting ***fatal and serious injury crashes*** related to different emphasis areas identified in the Massachusetts Strategic Highway Safety Plan (SHSP). These analyses produced ***network screening maps for project development and prioritization*** to address the SHSP emphasis areas. These maps will inform local partners about high-risk locations in their jurisdictions for targeted countermeasures. Systemic analysis results will also be part of an upgrade to the State's web-browser-based IMPACT tool.
02/23 – Ongoing	**Traffic Engineering Services, VDOT, Statewide.** *Safety Analyst.* Identified ***low-cost safety improvement strategies*** for the advancement of the next set of VHSIP systemic initiatives. Reviewed recently published literature and guidance, coordinated with Central Office and District staffs, and performing benefit-cost analysis to identify these countermeasures. Additionally, ***analyzed target crash data*** to identify locations across Virginia to ***implement selected countermeasures and building a comprehensive database*** with roadway, traffic, and crash data.
10/17 – 12/21	**Evaluation of Dynamic Speed Feedback Signs on Freeway Interchange Ramps, Michigan DOT, Statewide, MI.** Led the ***data collection and data analysis effort*** for this project to evaluate the effectiveness of Dynamic Speed Feedback Signs (DSFS) on freeway interchange ramps. As part of this project, ***developed an automated LIDAR data processing algorithm*** to collect continuous vehicle speed profiles. ***Conducted field evaluations*** to test the sign messaging strategy, longitudinal positioning of the sign concerning the ramp curve entry point, lateral positioning of the sign with respect to the side of the ramp, sign dimensions and other physical characteristics, radar activation range, and temporal changes in driver behavior. This led to the development of a guidance document for Michigan DOT for the effective installation of DSFS at the interchange ramp.

Firm employed by. ARCADIS				Meets MPR No. 4 & 5
Name	Kester Hollier, PE, PTOE		Years of relevant experience with this employer	6
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization			BS / 2004 / Civil Engineering, Louisiana Tech University	
Active registration number / state / expiration date			PE.034304 / LA / Exp. 03/2027; PTOE #3928 / USA / Exp. 11/2027	
Year registered	2009	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Feasibility / Engineering Studies and Project Development**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Hollier possesses a wide breadth of experience in the field of transportation engineering including **traffic engineering analysis**, signal timing and design, roadway design, **complete streets and multi-model design**, **roadway safety analysis and design**, and construction management and inspection. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and helps provide expertise in achieving successful solutions for a variety of projects. He has experience and proficiency in **traffic engineering and safety analysis software** including IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software
03/22 – 03/23	**Mandeville Bicycle and Pedestrian Master Plan, New Orleans Regional Planning Commission, St. Tammany Parish, LA.** *Project Manager.* Responsible for the development of a ***pedestrian and bicycle master plan*** for the City of Mandeville, LA. Assisted RPC with establishing a ***Project Management Comittee*** to guide the technical effort. Perfomed ***data analysis*** using demographic, land-use, transportation network, traffic count, and ***safety data*** to estalish existing conditions and inform the vision, goal and strategy development. The plan identified improvements to the ***active transportation network***, including prioritization of segments that would provide critical connectivity and safety.
11/20 – Ongoing	**I-10 CMAR, LADOTD, East Baton Rouge Parish, LA.** *Project Manager.* Responsible for ***traffic engineering and design*** tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation managemnet plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive ***historical crash and safety analysis*** is being performed in support of the IMR and TMP. Project includes the ***design of pedestrian infrastructure*** including as pedestrian signals, audible push buttons, crosswalks, and curb ramps.
11/17 – 07/20	**LA 466 (5th Street) Improvements, City of Gretna, Jefferson Parish, LA.** *Project Manager / Traffic Engineer*. Responsible for the ***traffic study and impacts*** for the proposed ***complete streets improvements*** along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included ***data collection*** along the corridor and at designated intersections, ***safety and crash analysis*** along the corridor, trip generation/land use and performing existing traffic analysis and future traffic analysis for proposed final alternative. The project also included a ***pedestrian study*** at designated intersections and the ***design of accessible pedestrian signals at signalized intersections***.

06/13 – 04/14	**US 190 Roundabout and Pedestrian Improvements, LADOTD, St. Tammany, LA.** *Traffic Engineer*. Responsible for ***roundabout geometric design*** and ***pedestrian and bike path design*** along the US 190 corridor in the City of Slidell and St. Tammany Parish to improve safety for motorized and non-motorized roadway users.
07/21 – 07/22	**Safety Studies IDIQ – US 61: Cardinal Drive to Bert Street Safety Improvements, LADOTD, St. John the Baptist Parish, LA.** *Traffic Engineer*. Assisted with the development of a ***Stage 0 Feasibility and Safety Study*** for the US 61 Corridor in LaPlace, LA. Responsible for ***traffic and safety analysis*** tasks for existing, no-build, and build conditions. Analyis was performed using HCS. Purpose of the study was the ***develop and evaluate feasible alternatives*** to address operational and safety needs.
09/12 – 02/16	**Feasibility Study and Stage 1 EA for Replacing Belle Chasse Tunnel and Bridge, LADOTD, Plaquemines Parish, LA.** *Traffic Engineer*. Responsible for the ***feasibility study*** and ***traffic analysis*** along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives that will be proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified ***roadway geometry and intersection location***. Responsible for the review of the roadway portion and costs for the Line and Grade Study and constructability review of the construction sequencing and maintenance of traffic.
12/17 – 11/19	**Stage 0 Feasibility Study - Causeway Boulevard Widening, Jefferson Parish, LA.** *Project Manager / Traffic Engineer*. Responsible for the ***traffic and safety study*** for the proposed widening of Causeway Boulevard between Metairie Rd. and West Esplanade Blvd. in Jefferson Parish, LA. Tasks included ***data collection***, traffic volume redistribution, left-turn placement and turn bay storage length, and existing traffic analysis and future traffic analysis of a preferred alternative.
05/14 – 08/20	**Causeway Blvd. at Earhart Expwy. Interchange, LADOTD, Jefferson Parish, LA.** *Traffic/Civil Engineer*. Responsible for the design of traffic control and construction sequencing, ***pavement marking layout***, quantity analysis, ***cost estimates***, and quality control for a new interchange at LA 3139 (Earhart Expwy.) and LA 3046 (Causeway Blvd.) in Jefferson Parish, LA. Provided review for the interchange traffic sign and traffic signal timings and design. Identified all necessary ***design waivers and design exceptions*** required for LADOTD approval. Provided ***geometric layout design***, typical section design and review, and joint layout design for several interchange ramps and underpasses.
10/18 – 01/19	**LA 22 Traffic Circulation and Corridor Analysis, NORPC, St. Tammany Parish, LA.** *Traffic Engineer*. Responsible for the development of three future alternatives along Northshore Boulevard between I-12 and US 190 in Slidell, LA. Managed the ***data collection*** process and peak period observations to determine existing traffic patterns as well as the ***safety analysis*** along the corridor. Developed three alternatives that used a combination of traffic signal retiming, J-turns, and roundabouts to provide better ***access management*** along Northshore Boulevard as well as improve traffic flow in the corridor for current and proposed future conditions with consideration of proposed developments using trip generation and land use analysis.
01/10 – 04/11, 07/13 – 01/14	**Stumberg Lane Extension, City of Baton Rouge Green Light Plan, East Baton Rouge Parish, LA.** *Traffic Engineer*. Responsible for the ***design of new traffic signals*** at US 61 (Airline Highway) and LA 73 (Jefferson Highway) for the extension of Stumberg Lane in Baton Rouge, LA. Also, responsible for the ***design and layout*** of the fiber optic interconnect along the extension.
05/09 – 07/13	**LA 23 Widening (Lapalco Blvd. – Engineers Rd.), LADOTD, Jefferson and Plaquemines Parishes, LA.** *Traffic/Civil Engineer*. Responsible for the ***road design and geometrics*** for the widening of LA 23 in Jefferson and Plaquemines Parishes between Lapalco Blvd. (LA 428) and Engineers Rd. (LA 3017). Developed ***traffic analysis*** for the traffic signal timing and required turn bay lengths at intersections. Developed traffic signing plans, pavement marking layouts and temporary traffic control plans.

Firm employed by. vhb			Meets MPR No. 4 & 5
Name	Thomas Crochet, PE, PTOE	Years of relevant experience with this employer	23
Title	Senior Transportation Engineer	Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		MS / 1994 / Civil Engineering, Transportation Systems, Georgia Institute of Technology BS / 1982 / Civil Engineering, University of Southwestern Louisiana	
Active registration number / state / expiration date		PE #22398 – Civil / LA / Exp. 9/2027; PE #PE016982 / GA / Exp. 12/2026; PE# 50968 / FL / Exp. 02/2027; PE #18547 / KY / Exp. 06/2027; PE #PE18008 / AL / Exp. 12/2027; PTOE #2567 / Exp. 04/2027	
Year registered	1986	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Feasibility / Engineering Studies and Project Development**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Tommy has extensive experience in the planning, development, and design of transportation projects and studies. He brings a high level of expertise as an engineer and project manager on state and local highway design projects, pedestrian and bicycle facility projects, location and feasibility studies, hydraulics studies, traffic studies, and environmental documents. **Tommy's safety engineering and design experience includes intersection safety improvement projects, roundabouts, roadway realignments to improve sight distance, pedestrian crossings, and traffic calming measures**.
04/20 – 03/24	**GDOT, Regional Safety Design Services On-Call Contract, GA.** *Principal-in-Charge.* On-call contract in which VHB, as a subconsultant, is responsible for developing ***traffic studies and designs for improvements*** for selected intersections throughout GDOT Districts 1, 2, and 5. VHB has collected ***crash data***, conducted a ***predictive crash analysis***, performed intersection operational analysis, and developed concept-level design alternatives to ***improve traffic flow and safety***. This work has also included completion of the Intersection Control Evaluation (ICE) in multiple locations, roundabout concepts, and numerous environmental field assessments at intersections located throughout the three Districts. In his role as Principal-in-Charge, Tommy has reviewed scope and fee and provided oversight and review of the preparation of traffic studies and concept designs.
12/23 – 05/25	**MARTA, Safe Routes to Transit, Fulton, DeKalb, and Clayton Counties, GA.** *Senior Engineer.* Tommy provides ***direction and oversight*** for site selection and the preparation of design plans. Safe Routes to Transit identifies barriers and develops solutions to provide safe access to bus stops through various pedestrian and ADA improvements. Solutions include a mix of high-visibility crosswalks, signage, curb extensions, medians and refuge islands, rectangular rapid-flash and pedestrian hybrid beacons, and installation of sidewalks, curb ramps, and other accessibility features. VHB ***developed site selection tools*** to evaluate ridership, ***pedestrian facilities***, bus ridership, roadway characteristics, amenities, and other factors to prioritize bus stop sites, with a focus on historically underserved areas. Concept and 30% Plans are being prepared for a three-year construction program.
05/15 – 01/17	**Chatham County, LaRoche Avenue at Jasmine Avenue and Livingston Avenue Intersection Roundabout Construction, Chatham County, GA.** *Project Manager* for this project to replace a signalized intersection. The original intersection contained skewed alignments immediately adjacent to a stop-controlled intersection. The roundabout design is ***improving both safety***

	and operations. In his role as Project Manager, Tommy was Chatham County's primary contact and provided ***oversight and technical guidance*** throughout the entire project lifecycle. Project deliverables include alternative concepts, preliminary and final construction plans, right of way plans and NPDES permitting.
11/19 – 10/21	**City of Tucker, Chamblee Tucker Road Pedestrian Improvements, DeKalb County, GA**. Tommy was *Project Manager* of this ***operational and safety study*** for the Chamblee Tucker Road corridor in the City Tucker to identify ***potential pedestrian accommodation improvements*** along the 2-mile long, undivided four-lane corridor. The operational analysis demonstrated a lane diet would operate at an acceptable level of service from Ball Park Drive to Tucker Norcross Road. VHB proceeded with a design to implement the lane diet, reducing the corridor to two lanes with a center turn lane. In addition, the project will reduce the speed limit from 40 mph to 35 mph and will construct seven mid-block pedestrian crossings with raised median islands and rectangular rapid flashing beacons, construct additional raised median islands, and mill and resurface the asphalt pavement. As Project Manager, Tommy led all client coordination, monitored scope, schedule, and budget, and oversaw all technical aspects of the project.
03/20 – 08/20	**Chatham County, Wilmington Island Safety Improvements, Chatham County, GA.** Tommy was *Project Manager* for this project consisting of the ***review of existing conditions*** along Wilmington Island Road and ***recommendations for safety improvements***. The County contracted with VHB to review the existing conditions along Wilmington Island Road near the Savannah County Club. VHB reviewed the existing geometry, completed a comprehensive ***crash analysis***, and provided the County with a ***Safety Study*** as well as detailed signing and marking design plans for improvements. In his role as Project Manager, Tommy was responsible for the success of the entire project, including management of the schedule and budget.
09/20 –12/24	**GDOT, SR 16 at CR 291/England Chapel Road, PI No. 0015688, Butts County, GA.** Tommy is *Project Manager* for this roundabout project in Jenkinsburg, GA. The new roundabout will replace the existing skewed, stop-controlled intersection. VHB is under contract to ***provide design services from concept validation through final design***. The VHB team is responsible for preliminary and final construction plans, right of way plans, history, archaeology, and ecology, as well as NPDES permitting. The design and environmental teams worked together to minimize impacts to historic resources and avoid 4(f) impacts. In his role as Project Manager, Tommy is GDOT's primary contact and is managing the project scope, schedule, and budget.
05/16 – 09/17	**GDOT, SR 37 Roundabout, PI No. 0009855, Colquitt County, GA.** Tommy served as *Project Manager* for this project in Colquitt County. The existing all-way stop-controlled intersection of SR 37 and CR 238/Industrial Drive/CR 477 Cool Springs Road was replaced with a roundabout. As Project Manager, Tommy was GDOT's primary contact and ***coordinated all design efforts***. Project deliverables included concept development, preliminary and final construction plans, right of way plans, and environmental and NPDES permitting.

Firm employed by. vhb				Meets MPR No. 3
Name	Jill Hodges, PE, CPESC		Years of relevant experience with this employer	23
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			MS / 1998 / Civil Engineering, Transportation Systems, Georgia Institute of Technology BS / 1987 / Civil Engineering, Louisiana State University (LSU)	
Active registration number / state / expiration date			PE. 24931 / LA / Exp. 09/2026 Certified Professional in Erosion and Sediment Control (CPESC) Exp. 06/2026	
Year registered	1992	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Feasibility / Engineering Studies and Project Development**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Jill's professional focus is in project management, technical design, and plan preparation for transportation projects. Her experience includes design of interstate/freeway facilities and state and local highway and pedestrian design projects including geometric design, drainage analysis and design, traffic analysis, signing and marking, sedimentation and pollution control monitoring plans, and bridge design. **Her responsibilities include management and supervision of projects and technical responsibilities for conceptual layout and design, traffic engineering studies, database preparation, preparation of right-of-way plans, and development of preliminary and final construction plans**.
7/25 – Ongoing	**City of Atlanta, DeKalb Avenue Complete Street, Atlanta, GA.** *Project Manager.* Project to ***improve mobility, operations, and safety*** along the 4.7-mile corridor of Decatur Street/Dekalb Avenue from Peachtree Street to Ridgecrest Road. Improvements will include bicycle, pedestrian, transit, and vehicular enhancements, with a continuous separated bicycle/shared-use facility on Dekalb Avenue from Peachtree Street in downtown Atlanta to Ridgecrest Road. The design will also ***correct ADA accessibility issues and improve intersection safety for pedestrians***. Jill is leading the technical development and design efforts for preliminary design, right-of-way plans, and final construction plans for the project.
09/18 – Ongoing	**City of Atlanta, Campbellton Road Pedestrian Improvements, PI No. 0015664, Atlanta, GA.** *Deputy Project Manager.* Jill is assisting with this project for ***improved pedestrian accommodations*** along Campbellton Road from Enon Road to Camp Ground Road, a distance of two miles. The Campbellton Road Pedestrian Improvement project will ***provide ADA compliant sidewalks and crosswalks*** to accommodate the heavy pedestrian activity in the corridor. The project will also include the construction of curb and gutter and a subsurface drainage system along most of the corridor. Jill led the development of the project concept report, ***leads technical development and design efforts*** for preliminary design, right-of-way plans and final construction plans for the project and coordinates with the VHB environmental team on special studies.
11/19 – 10/21	**City of Tucker, Chamblee Tucker Road Pedestrian Improvements, DeKalb County, GA.** *Project Engineer.* Jill assisted with ***construction plan development and preparation of bid documents***.VHB completed an ***operational and safety study*** for the Chamblee Tucker Road corridor in the City Tucker to ***identify potential pedestrian accommodation improvements*** along the 2-mile long, undivided four-lane corridor. The operational analysis demonstrated a lane diet would operate at an acceptable level of service from Ball Park Drive to Tucker Norcross Road. VHB proceeded with a design to implement the lane diet, reducing the corridor to two lanes with a center turn lane. In addition, the project will reduce the speed limit from 40 mph to

	35 mph and will construct seven mid-block pedestrian crossings with raised median islands and rectangular rapid flashing beacons, construct additional raised median islands, and mill and resurface the asphalt pavement.
11/04 – Ongoing	**Gwinnett County, Transportation Demand Consultant Services, Gwinnett County, GA.** *Project Manager* for five consecutive on-call contracts since 2004 with a maximum value per year of $1,000,000. The VHB team is providing ***engineering and design services*** for the preparation of the ***right of way plans and construction plans*** for various transportation improvement SPLOST projects. More than 40 work authorizations have been completed to date, including intersection improvements, roadway widening projects, bridge replacement projects, and pedestrian improvements. Services include concept preparation, traffic studies, geotechnical investigations, and subsurface utility engineering. She has managed all subconsultants, led the scoping of new work authorizations and monitored the status of all active projects, ensured schedules were met, and budgets were controlled.
01/05 – Ongoing (Construction Services Phase)	**Georgia Department of Transportation, US 27/SR 1 Hamilton Road, PI No. 322250, Troup County, GA.** *Project Manager*. Jill was GDOT's primary contact and coordinated all design efforts. She oversaw the team charged with completing ***traffic engineering studies and concept validation, preliminary plans, right of way plans, and final construction plans***. This project widened approximately 1.5 miles of two-lane road to a four-lane urban section with a 14-foot flush median and included the addition of sidewalks and a shared-use path. The project begins at the existing five-lane section and continues through a very dense urban area leading to SR 219 (Morgan Street) and downtown LaGrange.
12/23 – 05/25	**MARTA, Safe Routes to Transit, Fulton, DeKalb, and Clayton Counties, GA.** *QA/QC.* Project focuses on addressing infrastructure deficiencies across multiple jurisdictions, including Clayton County, DeKalb County, Fulton County, and the City of Atlanta. These deficiencies include a lack of sidewalks, pedestrian crossings, and the absence of ADA-compliant facilities. Jill participated in project team workshops to ***review potential sites and identify improvements*** for each site, assisted with ***technical oversight of 30% design plans***, and developed ***cost estimating methods and unit costs*** used to develop cost estimates for each site at 30% design plans phase. VHB is developing 30% design plans, featuring traffic calming measures, high-visibility crosswalks, Rectangular Rapid Flashing Beacons (RRFB), Pedestrian Hybrid Beacons (PHB), and ADA ramps, crucial for improving public safety and enhancing mobility.

Firm employed by: vhb			Meets MPR No. 7
Name	Taylor Bonner, PE, PTOE, RSP2IB	Years of relevant experience with this employer	4
Title	Traffic and Safety Engineer	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization	BS / 2017 / Civil Engineering, Drexel University MS / 2018 / Systems Engineering, George Mason University		
Active registration number / state / expiration date	PE #0402063953 / VA / Exp. 12/2027; PE #PE40001754 / DC / Exp. 08/2026; PTOE #5430 / Exp. 04/2026; RSP2B #36 / Exp. 03/2027; RSP2I / #198 / Exp. 11/2027		
Year registered	2021	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Feasibility / Engineering Studies and Project Development**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Taylor is a Transportation Engineer experienced in **corridor and intersection safety studies, road safety audits (RSAs), Complete Streets, the Safe System Approach,** geometric design, traffic operations, **vulnerable road user safety, and countermeasure identification.** Her responsibilities have included organizing, planning, and hosting events with transportation agencies including webinars, peer exchanges, and roundtable events. She has also has experience **developing national-level guidance** for state and local agencies, and **creating and instructing training courses** centered on equity, non-motorized safety, and design. Additionally, she regularly **conducts safety studies** on challenging roads with **multimodal safety needs and develops innovative solutions** to meet the desired safety, livability, and operational outcomes of the community.
06/21 – Ongoing	**FHWA Bicycle and Pedestrian Focused Approach to Safety, Nationwide.** *Task Order Principal Investigator*. Responsible for coordinating tasks related to administering ***technical assistance and working with FHWA*** to determine the best practices for assisting agencies in ***addressing pedestrian and bicyclist safety***. The States and planning organizations that receive assistance through this project were identified as having the highest need through factors such as the ***pedestrian or bicyclist fatality rate***. Additional items include the ***creation and instruction of new safety and design courses***. In the last year, she has also ***led a series of RSAs on*** arterial roads with multimodal safety concerns identified by several Focused Approach agencies.
10/23 – Ongoing	**GDOT Rural Active Transportation Plan, Statewide, GA.** *Transportation Engineer*. This project requires a first-of-its-kind planning effort that will provide Georgia with a plan, based on national best practices, to improve ***active transportation safety***, connectivity, and comfort levels statewide, with a focus on rural areas and small towns. Taylor is specifically assisting with the development of design typicals for countermeasures such as curb extensions, raised crosswalks, Pedestrian Hybrid Beacons (PHBs), optical speed bars, and more. She is also ***leading the updates of the GDOT's Design Policy Manual Complete Streets chapter*** and their ***Pedestrian Streetscape Guide*** to incorporate the ***newest design guidance for pedestrians, bicyclists, and transit***, as well as how to design for context and transition zones into rural towns.
05/23 – Ongoing	**VDOT Eastern Region Road Safety Audits, Hampton Roads, VA.** *Lead Trasnportation Safety Engineer*. Project consisted in ***conducting RSAs*** on 10 rural and suburban roadways in VDOT's Hampton Roads District. As part of these studies, each location's ***existing conditions, crash data, and identified concerns*** are documented to develop recommendations for ***safety countermeasures***. Locations include high-volume routes in both rural and suburban areas, intersections with sight distance challenges, and ***roadways with pedestrian safety concerns*** in communities with large numbers of no-vehicle households. The

	study team is currently developing recommendations for each location that may include, but are not limited to, PHBs, refuge islands, access management, wider shoulders or sidewalk improvements, roadway lighting, enhanced sightlines, geometric improvements, or corridor redesign.
8/22 – Ongoing	**FCDOT Leesburg Pike Pedestrian Crossing Safety Study, Fairfax, VA.** *Transportation Engineer*. Pedestrian crossing safety study that included reviewing existing ***multimodal data,*** evaluating ***historical crash data***, documenting existing conditions, and observing ***pedestrian movement/connectivity observations***. She conducted a ***screening of mid-block pedestrian treatments*** in accordance with the MUTCD and State standards, which were then used to develop ***pedestrian crossing alternatives***. This was followed by a traffic analysis to determine operational impacts and the ***feasibility*** of a new PHB or signal to facilitate pedestrian crossings. Additionally, access management measures were considered as part of each alternative to consolidate driveway movements and ***reduce pedestrian conflict points***.
1/24 – Ongoing	**VTrans Multimodal Design Guide, Statewide, VT.** *Transportation Engineer*. Assisting in the update of Vermont's State Design Standards to align them with current best practices and incorporate a multimodal approach into transportation facility planning and design. As part of her role, she is working with local Vermont staff to develop a ***performance-based framework*** for roadway design, including an emphasis on understanding a corridor's purpose, needs, expected road users, and activity levels. Using these inputs, the guide highlights the need for outcomes to drive design decisions, including considerations of appropriate ***target speed for the safety of all road users***. The guide also demonstrates the importance of context-sensitive design while prioritizing outcomes for all users, including ***safety, connectivity, accessibility, and comfort***.
07/19 – 11/24	**DDOT Bicycle & Pedestrian Facilities Design and Traffic Analysis On-Call, Washington, DC.** *Transportation Engineer*. Various engineering tasks to support DDOT's Pedestrian and Bicycle Facilities Design contract. Tasks include providing ***engineering and plan preparation assistance*** for several trail, sidewalk, and bike facility improvement projects to ***increase safety and connect communities***. She has contributed to design on many projects, including: New Mexico Avenue-Tunlaw Road-37th Street NW cycle track, Pennsylvania Avenue SE bus and bike lanes, West Virginia Avenue NE bike lanes, and the Wyoming Avenue NW/Kalorama Road NW contraflow bike lanes. In addition to the ***design of bicyclist facilities***, she has worked on the design of several neighborhood mini-roundabouts and bus-only lanes on H Street NW, I Street NW, and M Street SE.
01/21 – 05/24	**City of Pittsburgh Bike Facility Design, Pittsburgh, PA.** *Transportation Engineer*. These projects included designing slow streets, building out their ***protected bike lane network*** with facilities such as cycle tracks, bike lanes, and buffered bike lanes, and other ***complete street improvements*** to ***support mobility of bicyclists and pedestrians***.
08/24 - Ongoing	**FHWA Technical Support for Slow Streets Safe Links, Nationwide.** *Task Order Principal Investigator*. Providing thought leadership on the redesign of arterial roadways using ***Safe System principles***. A special emphasis of this program is a focus on high-volume, multilane lane arterial roads in suburban and urban contexts with mixed land use, access management challenges, and a ***need for accommodating all road users***. This study includes developing a ***framework for decision-making*** among transportation agencies that spans roadway design, operations, and speed management using a series of project examples as a foundation. The arterial design framework will include a step-by-step process for screening, selecting, and determining the desired outcomes for the corridor, as well as what it means for redevelopment on long-range planning.

Firm employed by. ARCADIS			
Name	Joshua Chatelain	Years of relevant experience with this employer	13
Title	Senior Digital Data Analyst	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2002 / Geography, University of New Orleans	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Data Analysis / Network Screening**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Chatelain has more than ***20 years of experience using Geographic Information Systems (GIS) for planning and analysis*** in the transportation engineering field. He is experienced in performing infrastructure mapping and assessment, transportation planning and analysis, data acquisition, field survey oversight, and providing GIS support for a wide range of projects. Mr. Chatelain is currently leading a project with LADOTD Safety Section to ***develop data sets for use in safety screenings and systemic analyses.*** experience with ESRI ArcGIS application stack and data driven applications include: ArcMap, ArcCatalog, ArcInfo, ESRI Roads and Highways, Event Editor, ArcGIS Data Reviewer, ArcGIS Workflow Manager, ArcGIS Pro, ArcGIS 3D Analyst, ArcGIS Spatial Analyst, ArcGIS Geostatistical Analyst, ArcGIS Network Analyst, Production Mapping, ArcPad, ArcGIS Collector, ArcGIS Model Builder, ArcGIS Online, ArcGIS Enterprise, ArcGIS Web App Builder, AutoCAD, Enterprise Databases, ArcSDE, Python, ArcGIS Server, and SQL Server Management Studio.
04/24 - Ongoing	**LADOTD Safety Section Support - LADOA General Services Staff Augmentation Contract, LADOTD, Statewide, LA.** *Data Analysist.* ***Supporting Highway Safety Section and CARTS (LSU Center for Analytics & Research in Transportation Safety) focus groups to design and develop a linear referenced enterprise Intersections data model*** to meet the needs of various stakeholders at LADOTD. Established database schemas, datasets, tables, and methodologies that supported Intersections data migration and development, and demonstrated Intersection Program goals and concepts to stakeholders across the agency. Developed an Intersection and Intersection Leg data model to conform department data to MIRE 2.0 standards including fundamental data elements (FDEs).
06/18 – 10/19	**I-10 Queue Warning Systems Engineering Analysis (SEA) and Feasibility Study, LADOTD, Baton Rouge, Louisiana.** *Probe Data and GIS Analyst*. Developed the first of its kind ITS SEA for the evaluation of a Queue Warning system on I-10 eastbound. Required ***evaluation of traffic probe data as well as LADOTD's crash data using GIS and electronic dashboarding tools*** to identify existing traffic conditions.
01/14 – 01/18	**Retainer Contract for an Enterprise LRS System Development, LADOTD, Statewide, Louisiana.** *GIS Analyst*. Responsible for the implementation of an ***Enterprise Linear Referencing System (LRS) using ESRIs Roads & Highways***. Participated in discovery meetings, development of existing conditions report, development of initial R&H database model and implementation of a Statewide Enterprise LRS. Local point of contact and associate project manager for the retainer contract.
02/13 – 07/14	**Enterprise LRS Business Process Review and Database Design Arizona Department of Transportation, Phoenix, Arizona.** *GIS Analyst*. Worked as part of the project team to ***design and implement an Enterprise Linear Referencing System (LRS) using the ESRI Roads and Highways platform (RNH).*** Evaluated the needs of the LRS system within ADOT. Tested tool sets, geoprocessing functions, models, datasets, schemes, and other elements within RNH to identify practical methods of migration to RNH from ADOT's current system. Modified, modeled, processed, and prepared datasets for migration into RNH.
01/10 – 01/11	**City-Parish Enterprise LRS System Development, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, Louisiana.** *GIS Analyst.* Responsible for the ***implementation of an Enterprise Linear Referencing System*** using Geomedia and Oracle Spatial. Conducted business requirements and needs assessment, design, build, and implementation of a parish wide LRS.

Firm employed by.	vhb		
Name	Ian Hamilton, AICP	Years of relevant experience with this employer	10
Title	Active Transportation Planner	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	MS / 2016 / City & Regional Planning, University of North Carolina at Chapel Hill BS / 2012 / Geography, University of Georgia		
Active registration number / state / expiration date	AICP #30510 / Nationwide / Exp. N/A		
Year registered	2017	Discipline	Planning
Contract role(s) / brief description of responsibilities	**Data Analysis / Network Screening**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Hamilton is a Transportation Planner who **specializes in data-driven safety analysis and facilitation of multimodal transportation safety action plans**. His experience includes work with federal, State, and local clients to develop innovative solutions for safety planning.
01/20 – 09/20	**An Exploration of Pedestrian Safety Through the Integration of HSIS and Emerging Data Sources: Case Study, FHWA, Charlotte, NC.** *Project Manager*. Led a team that successfully integrated traditional safety datasets with emerging probe speed data to explore probabilistic studies of pedestrian crash severity and crash probability in Charlotte, NC. To support this effort, the project team developed a ***pedestrian exposure model*** that estimated pedestrian count volumes at every intersection in the City. By developing this model, the project team could more accurately assess ***pedestrian risk on road facilities*** within different neighborhood contexts. This study forms part of the United States Department of Transportation's (USDOT's) Pedestrian Safety Action Plan, and a subsequent paper won TRB ACS20's (Safety Performance and Analysis) Paper of the Year Award for 2022.
05/17 – Ongoing	**Pedestrian Safety Action Plan (1.0, 2.0, 3.0, 4.0, and 5.0), Virginia DOT, Statewide, VA.** *Transportation Planner.* Performed geospatial analysis with statewide data that identified ***existing pedestrian crash clusters*** and ***potentially high-risk pedestrian corridors***. Developed ***comprehensive infographics*** outlining current conditions at these locations and recommended future ***safety countermeasures***. With the assistance of Virginia Department of Transportation (VDOT) staff, posted the results on VDOT's ArcGIS Online account for stakeholders to access as they develop their pedestrian safety initiatives.
03/22 – Ongoing	**Crash Type Coding of Pedestrian and Bicycle Crash Data, NCDOT, Statewide, NC.** *Project Manager.* Assisting NCDOT with its annual crash typing effort for vulnerable road user crashes. The team developed a ***crash form*** that allowed project staff to apply the ***Pedestrian and Bicycle Crash Analysis Tool (PBCAT) version 2 framework*** and ***geolocate crashes*** based on digital crash report forms. As part of this crash review, the team determined if a crash is eligible for the final dataset (i.e., occurred on a public roadway and involved a bicyclist, pedestrian, or other vulnerable road user), as well as flagged unique circumstances for further review. Unique circumstances could include electric scooter, wheelchair, horseback, skateboard, and hoverboard crashes.
08/21 – 12/22	**Quantification of Systemic Risk Factors for Pedestrian Safety, NCDOT, Statewide, NC.** *Lead Data Analyst.* Led a team that developed ***geospatial data for a statewide systemic pedestrian analysis*** in North Carolina. This research applied a host of data from numerous public and private sources to develop risk factors on non-access-controlled roads in the State. This included demographic, socioeconomic, roadway, traffic, transit, intersection, land use, schools, and alcohol sales locations. The project team

	developed separate ***negative binomial regression models*** for fatal and serious injury and total pedestrian crashes on principal arterials, minor arterials, collectors, and local roads; the model inputs being key risk factors for systemic screening. The project team also explored the use of pedestrian exposure (i.e., crossing) estimate modeling based on observed pedestrian crossing counts to help supplement risk model results.
04/19 – 02/21	**Pittsburgh Pedestrian Safety Action Plan, Pittsburgh, PA.** *Transportation Planner*. Cataloged transportation and land use data available to the City of Pittsburgh from State, county, and local sources. Applied these data to a ***pedestrian safety analysis*** that identified considerable ***risk locations*** for pedestrians, including corridors that should be targeted for multimodal safety improvements based on roadway, socioeconomic, and land use conditions. These recommendations informed ***priority locations for safety improvement*** in the City's first Pedestrian Safety Action Plan.
07/16 – 08/17	**Pedestrian Countermeasure Crash Modification Factor Study (TOPR B5), FHWA, Nationwide.** *Lead Data Technician.* Managed a team that gathered relevant traffic signal and intersection geometry data for the ***analysis of pedestrian countermeasure effectiveness*** (protected left turns and leading pedestrian intervals). Also coordinated with partner institutions, such as the University of North Carolina's Highway Safety Research Center, to streamline data collection for several sites in Chicago, IL, and New York, NY.
06/15 – 12/15	**Pedestrian Safety Study, NCDOT, Asheville, NC.** *Project Planner.* Performed statistical and geospatial analysis of a 10-year sample of 1,200 bicycle and pedestrian crashes in Asheville, North Carolina. Produced ***maps and geodatabases*** that collated ***crash data*** with local spatial data and presented the results to the project team panel consisting of City and State representation. The results of these analyses generated a ***list of corridors for individual Road Safety Audits (RSAs)*** that identified ***pedestrian safety countermeasures***.
09/17 – Ongoing	**ATLAS Bicycle and Pedestrian Data Collection, NCDOT, Statewide, NC.** *Lead Data Analyst.* Helped manage a ***data collection*** effort that ***inventoried all pedestrian and bicycle infrastructure*** in North Carolina on primary and secondary State roads, and most infrastructure on local roads. These data were used to inform project selection for the biennial update to its State Transportation Improvement Program (STIP) and will help streamline project delivery as part of the State's Advancing Transportation through Linkages, Automation, and Screening (ATLAS) initiative.
03/21 – 11/21	**Safety Data and Analysis Technical Assistance Program (SDATAP), FHWA; Los Angeles, CA.** *Project Manager.* Worked with the Southern California Association of Governments (SCAG) to develop a series of ***predictive models*** that could be used for ***safety planning and target setting***. Target setting models predicted fatalities, serious injuries, and non-motorized fatalities and serious injuries at the MPO-level, and the project team developed a series of community-level models that predicted crashes at the traffic analysis zone (TAZ) level. These models were based on the NCHRP 17-81 research, and they will complement SCAG's traditional transportation planning process. A subsequent paper won TRB ACS20's (Safety Performance and Analysis) Paper of the Year with a Lead Author Under 35 Award for 2022.
05/20 – 05/22	**Safety Data Initiative – MassDOT Safety Analysis Module and Data Visualization, USDOT, Statewide, MA.** *Lead Data Analyst*. Conducted a ***series of systemic analyses*** for MassDOT to target ***fatal and serious injury crashes*** related to the emphasis areas in the Massachusetts Strategic Highway Safety Plan (SHSP). These analyses produced ***network screening maps for project development and prioritization*** to address the SHSP emphasis areas. These maps will inform local partners about high risk locations in their jurisdictions for targeted countermeasures. Systemic analysis results will also be part of an overall upgrade to the State's web-browser based IMPACT tool.

Firm employed by. ARCADIS

Name	Clara Foshee, PE, PTOE	Years of relevant experience with this employer	2
Title	Traffic Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.0044568 / LA / Exp. 09/2026; PTOE #5800 / LA / 11/2027	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Feasibility / Engineering Studies and Project Development**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Foshee is a Transportation Engineer specializing in traffic safety, **traffic engineering analysis and design**, and transportation management during construction. Ms. Foshee has experience working on a range of transportation projects for LADOTD and various local municipalities pertaining to traffic and safety studies, corridor and intersection studies, access management, and **pedestrian and bicycle improvements**. She has experience with Highway Safety Manual and Highway Capacity Manual methods and is proficient in HCS, Synchro, and Sidra analysis software.
03/22 – 07/23	**Morrison Road (Mayo – Bullard) Road Improvement Study, City of New Orleans / LADOTD; Orleans Parish, LA.** *Project Manager and Traffic Engineer*. Responsible for overseeing and managing project tasks including ***traffic data collection and analysis***, warrant studies, traffic operational analysis, ***safety analysis***, alternative and countermeasure development, and conceptual drawings.
04/23 – 07/23	**Distribution Center Traffic Impact Study, LADOTD; Ouachita Parish, LA.** *Project Manager and Traffic Engineer*. Responsible for overseeing and managing project tasks including ***traffic data collection and analysis***, warrant studies, ***safety analysis***, predictive traffic routing, traffic operational analysis, and alternative and countermeasure development.
10/19 – 07/20	**LA 1065 at LA 3234 Intersection Control Evaluation, LADOTD; Tangipahoa Parish, LA.** *Traffic Engineer Intern*. Performed project tasks including traffic data collection and analysis, warrant studies, safety analysis, ***traffic operational analysis***, and alternative development and analysis.
06/18 – 03/20	**LA 445 at Interstate 12 Safety Assessment, LADOTD; Tangipahoa Parish, LA.** *Traffic Engineer Intern*. Performed project tasks focused on assessing ***safety operations*** of existing interchange and developing ***appropriate countermeasures*** to ***improve safety*** for motorists.
10/19 – 07/20	**LA 437 at Wymer/Planche Intersection Control Evaluation, LADOTD; St. Tammany Parish, LA.** *Traffic Engineer Intern*. Performed project tasks including ***traffic data collection and analysis***, warrant studies, ***safety analysis***, traffic operational analysis, and alternative development and analysis.
02/17 – 10/18	**LA 22 at LA 21 / LA 1077 Roundabout Study, LADOTD; St. Tammany Parish, LA.** *Traffic Engineer Intern*. Performed project tasks including extensive ***traffic data collection and analysis***, warrant studies, ***safety analysis***, predictive traffic routing, traffic operational analysis, and alternative development and analysis.
04/16 – 06/16	**LA 436 Road Safety Assessment, LADOTD; Washington Parish, LA.** *Traffic Engineer Intern*. Attended project condition assessment and performed project tasks focused on ***assessing safety operations*** of existing roadway and developing ***countermeasures*** to ***improve safety*** for all users.

Firm employed by. ARCADIS			Meets MPR No. 5
Name	Sridhar Basetty, PE, PTOE	Years of relevant experience with this employer	20
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		MS / 2004 / Civil Engineering, University of Dayton BS / 2002 / Civil Engineering, Osmania University	
Active registration number / state / expiration date		PE. 38950 / LA / 09/30/2026; PTOE 3682 / USA / Exp. 08/2026	
Year registered	2010	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Feasibility / Engineering Studies and Project Development**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Basetty is a **Senior Traffic Engineer with over 20 years of experience** in a wide range of traffic engineering applications including **traffic modeling and analysis,** intersection and corridor studies, signal warrant analysis, signal design, and signing design. His project experience includes **stage 0 feasibility studies**, freeway and arterial corridor studies, IMR and IJR studies, transportation management plans, environmental assessments and traffic impact studies. He is highly proficient with traffic modeling and analysis tools that include Highway Capacity Software, Synchro / SimTraffic, TRANSYT 7F, CORSIM, Vissim, Sidra, Visum, CUBE, and TransCAD.
04/16 – 09/18	**Safety Studies IDIQ - New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA.** *Senior Traffic Engineer.* Responsible for ***traffic data collection*** and volume projects for motorized and non-motirized transportation modes. Assisted in ***traffic operations analysis*** for existing and future year conditions and build scenarios. Purpose of the project was to ***improve pedestrian and bicycle safety*** for 20 high-risk locations in Orleans Parish.
08/14 – 06/15	**Safety Studies IDIQ - LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA.** *Traffic Engineer*. Responsible for review of existing ***crash data*** and ***traffic operations analysis***, development of ***safety countermeasures***, conceptual drawings, and ***Stage 0 documentation***. Purpose of the project was to develop ***access management strategies*** and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the corridor. Safety performance of alternatives were estimated using ***Highways Safety Manual predictive methods***.
01/14 – 09/18	**Traffic Engineering IDIQ - US 71 Corridor Traffic Study - Phases 1-3, LADOTD, Rapides Parish, LA.** *Senior Traffic Engineer.* Preparation of a traffic studies for the purpose of enhancing mobility and safety. Main tasks include ***traffic data collection***, ***signal warrant studies, traffic analysis***, safety data analysis, and development of conceptual layouts. Data collection efforts include automated one-week counts, manual turning movement counts, intersection approach counts, travel time runs, and spot speed studies. Responsibilities include conducting ***signal timing optimization,*** signal warrant analysis at all major intersections and developing a preliminary ***cost estimate and conceptual layout drawings*** of alternatives including U-turns, J-turns, restricted turns, one-way frontage roads, slip ramps, and service road islands (right-out only). Responsibilities also include developing ***Vissim model animations*** of the proposed alternatives for high- and low-volume scenarios.
02/15 – 01/18	**Traffic Engineering IDIQ - LA 3105 (Green Acres to LA 72) Corridor Traffic Study, LADOTD, Bossier Parish, LA.** *Senior Traffic Engineer.* Responsible for overseeing the development/evaluation of existing and future year conditions using a ***calibrated Vissim model.*** Designed alternatives for phased implementation based on identified needs and input from local stakeholders including medians, restricted intersections, roundabouts, roadway widening, and ***signal timing enhancements***. Responsible

	for development and quality control of all project deliverables including ***traffic modeling***, public involvement, and ***traffic study documentation.***
03/17 – Ongoing	**I-49 South (Ricohoc to Berwick) Supplemental Environmental Impact Statement (SEIS), LADOTD, St. Mary Parish, LA.** *Senior Traffic Engineer.* Responsible for overseeing traffic engineering components of the supplemental environmental impacts statement. Study elements include ***data collection, microsimulation model development and calibration, travel forecasting*** memorandum, evaluation of interchange locations and types to support the conversion of US 90 to Interstate-49.
01/14 – Ongoing	**Pete's Highway Traffic Study and EA, LADOTD, Livingston Parish, LA.** *Senior Traffic Engineer.* Traffic study preparation to analyze three Stage 0 build alternatives to relieve traffic congestion and improve traffic operations on LA 3002 (S. Range Avenue) and its intersections in the vicinity of the I-12 interchange. Responsibilities include performing a ***traffic study*** based on LADOTD microsimulation guidelines and FHWA Traffic Analysis Toolbox Volume III guidelines. Main tasks include ***traffic data collection, Vissim model calibration and simulation***, alternative traffic analysis, technical documentation, ***signal timing, signal warrant analysis,*** conceptual layouts development, preliminary cost estimates, and public outreach.
02/15 – 11/17	**Traffic Engineering IDIQ - Intersection Feasibility Study, Evangeline Thwy, Johnston St, & Louisiana Ave, LADOTD, Lafayette Parish, LA.** *Senior Traffic Engineer.* Responsible for overseeing all scope elements including ***data collection***, development of ***calibrated Vissim model***, development of ***operational and safety improvements, signal warrant analysis***, and study documentation. Proposed improvements included a continuous flow intersection alternative and restricted intersection alternatives. A ***Vissim animation*** was created to demonstration the operational characteristics of proposed alternatives.
11/14 – 10/15	**Safety Studies IDIQ - LA 44 and Loosemore Road Roundabout Safety Study, LADOTD, Ascension Parish, LA.** *Senior Traffic Engineer.* Responsible for ***traffic data collection and analysis***. The project intersection was an unsignalized intersection located south of Gonzales, Louisiana. The purpose of the study was to investigate the viability of converting this intersection into a roundabout based on right-of-way limitations. The intersection is situated between several utility pipelines that potentially present construction problems with a roundabout design. Three different roundabout alternatives were evaluated - roundabout at current location, roundabout south of intersection, and dual roundabouts.
12/13 – 05/15	**Safety Studies IDIQ - Joe Sevario/Roddy Road Roundabouts Stage 0 Safety Study, LADOTD, Ascension Parish, LA.** *Senior Traffic Engineer.* Responsible for project management, public outreach and stakeholder interaction, review of ***traffic and safety analysis***, conceptual layout development, and ***Stage 0 documentation***. Study to ***address the safety needs along the corridor*** and evaluate the feasibility of roundabouts at various intersections between US 61 and LA 42. The corridor accommodates both local residential traffic and regional traffic due to the presence of intersecting state routes. In addition, presence of narrow, higher speeds side-streets introduced an additional factor influencing safety along the corridor. Arcadis' evaluation methodology ensured that all project-related safety issues were identified and appropriate mitigation measures in the form of roundabout and/or lane treatments were proposed to address anticipated issues.
10/15 – 06/19	**US90 Business Signing Upgrades, LADOTD, Orleans and Jefferson Parish, LA.** *Engineer of Record.* Responsible for development of ***transportation management plans*** and ***permanent signing plans*** for segments of US 90 Business and I-10 through New Orlean's Central Business District and surrounding areas. The project replaced all standard and overhead signing within the project limits. Project scope included inventory of existing signs, development of proposed sign layouts, structural details development, and production of 4 construction plan sets for distinct segments of the project limits.

Technical Reviews, Trainings, and Complete Streets Policy / Committee Support

Firm employed by: vhb			
Name	Rick Plenge, PE, PTOE	Years of relevant experience with this employer	4
Title	Senior Active Transportation Engineer	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization		BS / 1997 / Civil Engineering, University of New Hampshire	
Active registration number / state / expiration date		PE #57585 / MA / Exp. 06/2026; PE #36333 / CO / Exp. 10/2027; PTOE #2098 / USA / Exp. 05/2028	
Year registered	2002 (CO)	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Technical Reviews, Trainings**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Plenge is VHB's New England Active Transportation Service Leader. He has a **comprehensive multimodal transportation background, with extensive experience in active transportation planning and engineering** in both the public and private sectors nationally. Rick's responsibilities have included the **management of safety audits/studies**, **pedestrian and bicycle facility planning and design**, transit facility design, innovative intersection and roadway design, traffic calming, and **training module development and delivery**.
11/23 – 03/25	**Pedestrian and Bicycle Training, CDOT, Statewide, CO.** *Project Lead*. Responsible for contract management, curriculum development, and co-delivery of quarterly ***Pedestrian and Bicycle Trainings*** across all five CDOT regions under a five-year statewide contract. Trainings incorporated current industry guidance, standards, and best practices, and were designed to build staff capacity in multimodal planning and operations. Delivery methods included ***highly interactive in-person sessions and virtual trainings***, supplemented by shorter, ***topic-focused modules*** addressing specific technical areas. Coordinated with CDOT regional ***staff and stakeholders*** to ensure training content was relevant, practical, and aligned with statewide transportation safety and mobility goals.
06/21 – 07/22	**Pedestrian and Bicycle Signal Design Training Module, FHWA, Washington, DC.** *Project Manager.* Responsible for managing the development of a ***national training module focused on pedestrian and bicycle signal design***. The module was created to train practitioners on the latest FHWA guidance for incorporating ***pedestrian and bicycle equipment*** into traffic signal designs. Oversaw curriculum development, technical content review, and coordination with FHWA subject matter experts to ensure accuracy and alignment with federal standards. The training module emphasized practical application of design principles, ***integration of multimodal safety considerations***, and consistency with evolving industry best practices. Deliverables included ***comprehensive instructional materials and interactive learning components*** designed to support practitioners nationwide in advancing multimodal signal design.
04/17 – 05/18	**Vision Zero Design Project, City and County of Denver, Denver, CO.** *Project Manager.* Prior to joining VHB, managed the analysis and development of ***interim and long-term safety improvements*** at seven high-crash multimodal locations within the City and County of Denver. Responsibilities included leading ***crash data analysis,*** site assessments, and stakeholder coordination to ***identify priority safety needs***. Oversaw the ***design and pilot installation*** of short-term treatments—such as enhanced pedestrian crossings, curb extensions, and traffic calming measures—while also guiding the development of ***long-term multimodal safety improvements*** integrated into corridor plans. The project advanced Denver's Vision Zero goals by implementing context-sensitive

	solutions that ***addressed immediate safety concerns*** while establishing a framework for ***sustained multimodal safety enhancements*** across the city.
05/16 – 10/16	**TH 47/TH 65 Road Safety Audit, MNDOT, Hennepin County, MN.** *Multimodal Technical Lead.* Prior to joining VHB, led safety audits along a 6-mile segment of TH 47 and TH 65, evaluating over 30 intersections to identify ***multimodal safety improvements***. He directed ***crash analysis,*** field reviews, and ***stakeholder coordination***, ensuring recommendations addressed pedestrian, bicycle, transit, and vehicular needs. Deliverables included audit reports with prioritized countermeasures supporting statewide safety and Vision Zero goals.
01/17– 7/20	**Roadway Design Guide, CDOT, Statewide, CO.** *Multimodal Technical Lead.* Prior to joining VHB, served as the multimodal technical lead for the update to Colorado's statewide roadway design guide. This effort represented a complete restructuring of the guide, with a heightened emphasis on integrating multimodal design principles, performance-based practical design, and context-sensitive solutions. Responsible for ***guiding the incorporation of pedestrian, bicycle, and transit considerations*** into roadway design standards, ensuring alignment with contemporary industry practices and statewide transportation goals. His role included ***technical review, coordination with CDOT staff, and advisory input*** on the application of context-sensitive approaches to roadway design. The updated guide provided a modernized framework for practitioners across Colorado, supporting safer, more accessible, and more efficient multimodal transportation networks.
02/19-07/21	**Ocean Boulevard Corridor Study, NHDOT, Hampton, NH.** *Project Lead.* Prior to joining VHB, led the planning and design of the Ocean Boulevard corridor study for the New Hampshire Department of Transportation (NHDOT). The study focused on a 3-mile portion of NH 1A along the New Hampshire seacoast and identified a series of ***multimodal safety and operational improvements***. Responsibilities included balancing vehicular circulation, parking demands, and ***multimodal facility upgrades*** to support the community's economic vitality, resiliency, and ***safety goals***. Coordinated with NHDOT staff, local stakeholders, and community representatives to ensure the study addressed both transportation efficiency and coastal community needs. Deliverables included corridor design concepts and recommendations that advanced multimodal integration while supporting long-term resiliency and safety objectives for Hampton's seacoast corridor.
07/22 – 12/22	**Grand Junction Multi-use Path Peer Review, Massachusetts Institute of Technology, Cambridge, MA.** *Multimodal Design Peer Reviewer.* Served as the ***multimodal design peer reviewer*** for the Grand Junction Multi-use Path project, which will establish an off-street pathway along the existing MBTA rail corridor between Somerville and the Boston University Bridge. Role included reviewing design concepts to ensure ***integration of pedestrian and bicycle facilities*** consistent with best practices in multimodal design. The project is intended to provide an all-ages-and-abilities pathway that connects key destinations including employment centers, public parks, schools, and business districts. Responsibilities focused on ***evaluating design elements for safety***, accessibility, and connectivity, while advising on strategies to balance corridor constraints with community mobility needs. The peer review contributed to advancing a corridor plan that supports regional multimodal travel and enhances access to major destinations across Cambridge and Somerville.
05/21 – 9/25	**Town of Weston Park Road Redesign, Greatland Realty Partners, Weston, MA.** *Project Manager.* Managing the redesign of a one-mile rural portion of Park Road in Weston to incorporate ***multimodal safety and operational enhancements***. The project includes the integration of ***shared-use path facilities, enhanced pedestrian and bicycle crossings,*** and ***ADA accessibility*** upgrades. Responsibilities involve overseeing design development, coordinating with municipal staff and stakeholders, and ensuring that improvements align with the Town's goals for safety, mobility, and community character. The redesign emphasizes context-sensitive solutions that balance rural roadway conditions with modern multimodal needs, resulting in a corridor plan that supports safe and accessible travel for all users.

Firm employed by: VHB			
Name	Gregory Bakos, PE, NCICS	Years of relevant experience with this employer	42
Title	Senior Active Transportation Engineer	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 1979 / Civil Engineering, Bucknell University	
Active registration number / state / expiration date		PE #06255 / NH / Exp. 06/2026	
Year registered	1985	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Trainings, Complete Streets Policy / Steering Committee Support**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Bakos is a **Senior Project Manager who specializes in the bicycle and pedestrian components** of various transportation projects, including trails and **Complete Streets efforts**. **As an instructor with the League of American Bicyclists** who is also active in local biking advocacy organizations, he brings his on-road cycling experience to the benefit of his work. Greg is also a **trainer and subject matter expert on safe bike, pedestrian and complete Streets design topics**. As a design practitioner he brings his real-work perspective to the classroom. His project contributions include planning, agency liaison, project definition, permitting, multi-modal design, and preparation of contract plans, cost estimates, and specifications. Additionally, **Greg is skilled in engaging with the public and is certified by the National Charrette Institute**.
08/16 – 09/21	**Pedestrian and Bike Safety Program, FHWA, National.** *Co-Instructor.* Assisted FHWA safety engineers as a ***co-instructor*** for single- and multi-day courses on ***safe pedestrian and bicycle design practices*** delivered in communities across the country. Attendees included planners, engineers, and officials from state DOTs, municipalities, and regional planning commissions. Courses combined classroom instruction with on-road exercises to reinforce real-world applications. Brought extensive practical design experience at VHB to the classroom, serving as ***instructor*** for the following courses: • Albany, NY – Designing for Pedestrian Safety (2019) • Albuquerque, NM – Planning and Designing for Pedestrian Safety (2023) • Atlanta, GA – Designing for Pedestrian Safety (2019) • Chicago & Urbana, IL – Designing for Bicyclist Safety (2017) • Columbus, OH – Bikeway Selection Guide Training (2019) • Fort Worth, TX – Designing Streets for Pedestrian Safety (2018) • Harrisburg, PA – Bikeway Selection Guide Training (2019) • Hartford, CT – Designing for Complete Streets (2024) • Jacksonville, FL – Designing Streets for Bike Safety (2018) • New York City, NY – Designing for Pedestrian Safety (2019) • Springfield, IL – Designing for Pedestrian Safety (2019)
05/07 – 10/09	**Lamoille Valley Rail Trail, 17 Communities, Northern VT.** *Project Manager.* Served as Project Manager for the ***planning and conceptual design*** of the 93-mile Lamoille Valley Rail Trail, a four-season multi-use facility spanning 17 communities across northern Vermont. Responsibilities included documenting environmental and cultural resources, addressing design challenges such as rehabilitating or replacing more than 80 bridges, and ***coordinating closely with State and Federal permitting agencies***. The project emphasized extensive ***public outreach*** and resulted in an ***award-winning trail***, recognized with the *People's Choice Award* at the 2023 AASHTO America's Transportation Awards.

06/15 – 04/18	**Falmouth Bike/Ped Master Plan Update, Falmouth, ME.** *Project Manager.* Served as Project Manager for the ***Town of Falmouth's 2016 Bicycle and Pedestrian Master Plan***, which was ***awarded Plan of the Year*** by the Maine Association of Planners. VHB supported the Town through public outreach, ***GIS-based mapping*** of existing and proposed bike/ped infrastructure, and conceptual cost estimates to guide prioritization and funding of near-, mid-, and long-term improvements. As a Town-led initiative, VHB provided targeted technical support within limited funding to advance multimodal planning goals.
10/18 – 12/18	**Westbrook-Portland Rail-with-Trail Feasibility Study, Northern New England passenger Rail Authority, Portland, OR.** *Bicycle/Pedestrian Designer.* Provided ***bicycle and pedestrian design services*** for a ***feasibility study*** evaluating a 5.8-mile rail-with-trail corridor from Main Street in Westbrook to the International Marine Terminal in Portland's Old Port. Conducted field reviews, analyzed existing plans and GIS mapping, and assessed how a trail could coexist with the railroad. Developed conceptual design solutions, prepared construction cost estimates, and authored a comprehensive report summarizing the study findings, advancing the vision for an off-roadway alternative transportation link.
12/12 – 06/14	**Passy Rail Trail Feasibility Study, Town of Belfast, Belfast, ME.** ***Project Manager.*** Project Manager for a ***feasibility study*** of a 2.2-mile rail-trail corridor extending from the Belfast waterfront along the Passagassawakeag River. VHB developed conceptual designs, a phased implementation strategy, and program cost estimates. The team also prepared contract documents enabling the City to remove steel rails and ties at minimal cost due to salvage value. Subsequent steps included surfacing the trail and ***installing bike railings*** in hazard areas, advancing the corridor's transformation into a ***safe, accessible multi-use facility***.
11/22 – 11/23	**NHI Course Development: Performance-Based Flexibility in Highway Design, for ToXcel, LLC.** *Subject Matter Expert.* Served as a ***subject matter expert*** for the USDOT FHWA Office of Technical Services, providing input on ***complete streets principles and bicycle/pedestrian safety*** during development of the *Performance-Based Flexibility in Highway Design* training course. Contributed to ***course materials, including case studies, and co-presented a pilot course*** to FHWA participants whose feedback helped shape the final deliverable.

Firm employed by: vhb

Name	Drew Gingras, PE	Years of relevant experience with this employer	13
Title	Active Transportation Engineer	Years of relevant experience with other employer(s)	0

Degree(s) / Years / Specialization			BS / 2011 / Civil Engineering, University of Vermont
Active registration number / state / expiration date			PE #909119 / DC / Exp. 08/2026
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities			**Technical Reviews, Complete Streets Policy / Steering Committee Support**

Experience dates	Experience and qualifications relevant to the proposed contract
	Drew is a **Project Manager and Senior Active Transportation Engineer** in VHB's Winooski, VT, office. He has a breadth of experience in transportation assignments, including expertise in planning and design for active transportation projects. His in-depth project work includes **shared use path planning and design**, corridor scoping studies, **bicycle/pedestrian planning and design**, area master plan development, traffic operations analysis, roadway planning and design guidance development, and **complete street design** to provide state-of-the-art and best-practice-driven ideas to meet the evolving needs of transportation corridors. Drew has navigated, led, and managed all project phases from definition and concept development through to public engagement and eventual engineering design and construction. Externally, Drew sits on the **Bicycle Technical Committee** and Edit Committee of the National Committee on Uniform Traffic Control Devices (NCUTCD), working with peers to develop the latest guidance and standards for traffic control devices relative to action transportation facilities.
01/18 – Ongoing	**National Committee on Uniform Traffic Control Devices (NCUTCD) Bicycle Technical Committee & Edit Committee.** *Member*. Served on the NCUTCD since 2017, joining the Bicycle Technical Committee (BTC) that year (2017), and the Edit Committee (EC) in 2023. During his time on the NCUTCD, Drew has worked alongside several fellow national experts in the field of traffic control device design, particularly in the ***field of bicycle facility traffic control devices***. Given his in-depth knowledge on the Manual on Uniform Traffic Control Devices (MUTCD) and his role on the NCUTCD, Drew regularly provide ***internal trainings and webinars*** on all things pertaining to ***planning and designing for bicycle facilities***, and ***active transportation at-large***.
04/23 – Ongoing	**VTrans, Vermont Multimodal Roadway Guide (VMRG), Statewide, VT.** *Project Manager*. Managing the ***rewriting and reimagining*** of Vermont's State Standards (VSS) into the Vermont Multimodal Roadway Guide (VMRG). The VHB team is working with VTrans to develop a ***new way to plan and design Vermont's transportation networks*** through a context-sensitive, outcomes-based approach, placing the outcomes for all users (***safety, connectivity, accessibility, comfort***) and context (a Village's Main Street vs. a rural connector road) at the forefront of the planning and design processes. Phase 1 of the guide development process concluded in April 2025 with the completion of the 75-page-long Annotated Outline for the VMRG. This process included ***significant engagement with several different stakeholder groups and committees*** including a Project Steering Committee, Stakeholder Advisory Group, Technical Working Group, and the general public. Drew led the team in all engagement efforts, rallying diverse groups of practitioners toward consensus on the approach to this modern guidance document. More recently, Drew is leading a team of upwards of 30 VHB'ers to develop the ***written and graphic technical content*** for the VMRG, which is scheduled to be completed in July 2026.

08/18 – 08/25	**DDOT, Pennsylvania Avenue NW Streetscape, Washington, DC.** *Lead and Project Engineer*. Supported DDOT for the ***design of hardscape-separated bike lanes*** for the streetscape design of Pennsylvania Avenue NW between 17th Street NW and 22nd Street NW. He provided guidance for significant improvements to the corridor transportation facilities, including ***separated bike lanes***, ***dedicated bicycle signal control***, and design and traffic control modifications to ***minimize pedestrian/bicycle/vehicle conflicts***. In addition to managing the design of the separated bike lanes along the corridor, Drew produced ***training*** for DDOT's Infrastructure & Project Management Administration on best practices for ***integrating separated bike lanes*** into existing transportation corridors. Drew worked to support a balanced corridor design to ***upgrade pedestrian/bicycle facilities***, maintain acceptable vehicular operations, and incorporate significant new urban design and landscape enhancements.
07/22 – Ongoing	**City of South Burlington, Exit 14 East/West Connection, South Burlington, VT.** *Lead Engineer*. Led the ***design of all bicycle/pedestrian elements*** for a new shared-use path and bridge connection over Interstate 89 in South Burlington, VT. Following a ***successful RAISE Grant Application***, the City of South Burlington selected VHB to provide engineering design services for the design of a "signature bridge" that will provide a critical connection between the City of Burlington, University of Vermont Campus, and the ever-evolving City Center of South Burlington. VHB has led this project from ***community engagement and concept selection*** all the way through to the upcoming submission of Contract Documents.
09/20 – 09/24	**DDOT, Highway Safety Improvement Program (HSIP) Technical Support, Washington, DC.** *Project Engineer and QA/QC Lead*. DDOT's HSIP task order focused on up to 100 high-crash intersections. Drew is part of a team performing ***crash data analysis***, ***on-site field assessments***, traffic operations analysis, ***predictive crash analysis (based on HSM methodologies)***, and ***countermeasure selection***. Recommended countermeasures include a range of permanent and tactical treatments designed to ***balance vehicular and multimodal operations and safety***. In his role on this effort, Drew is working with the team to be sure the plan deliverables are compliant with DDOT standards and National standards.
08/24 – Ongoing	**City of Burlington, VT 127 Shared Use Path Connection Scoping Study & Trail Widening Feasibility Analysis, Burlington, VT.** *Project Manager*. Managing the VT 127 Shared Use Path Connection Scoping Study & Trail Widening Feasibility Analysis for the City of Burlington. This study is seeking to establish a new grade-separated connection between the existing VT 127 Shared Use Path, and the neighborhoods (the Old North End and New North End) that it connects. VHB has been tasked with scoping three ***conceptual alternatives*** for the new connection that will consider the area's environmental and cultural resource sensitivities, ***user safety***, constructability, and overall cost. The study will culminate with a ***recommended alternative***, inclusive of a full-scale implementation plan.

Firm employed by: vhb				Meets MPR No. 7
Name	Elissa Goughnour		Years of relevant experience with this employer	14
Title	Senior Active Transportation Planner		Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			BS / 2002 / Environmental Sciences, Gettysburg College MS / 2008 / Civil Engineering, George Mason University	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			**Trainings, Complete Streets Policy / Steering Committee Support, VRU Planning Documentation / Modeling Support**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Elissa is a **Transportation Safety Project Manager** in VHB's Tysons, Virginia, office with experience in transportation and site design projects in the public, private, and institutional sectors. Her responsibilities have included **transportation safety evaluations**, **data collection and analysis**, **program evaluations**, **road safety audits** and the **creation of training and national-level guidance** for national, tribal, state, and municipal audiences. She has extensive experience working with non-motorized users.
07/11 – 09/21	**FHWA Pedestrian and Bicycle Focus Cities and States, Nationwide.** *Principal Investigator*. Through this effort she led a team that supported FHWA in working with agencies throughout the country to provide ***bicycle, pedestrian, and complete streets training and technical assistance***. She regularly led the planning and hosting of ***webinars, workshops, and peer exchanges*** to bring together agencies and subject matter experts to help agencies best plan and design for a multimodal transportation network. She led the ***development of new course modules and updates of all of the available courses***. Through this program, she helps to identify and publish information on best practices and tips from other peer agencies. She led ***multiple peer exchanges*** including those on Vision Zero, Overcoming Obstacles to Improving Pedestrian and Bicycle Safety, Developing Pedestrian and Bicycle Safety Action Plans, Applying Safe System for Pedestrians and Bicyclists. She also led the ***development of guidance documents***, including How to Develop a Pedestrian and Bicycle Safety Action Plan, Pedestrian and Bicyclist Road Safety Audit Guide and Prompt List, the Primer on the Safe System Approach for Pedestrians and Bicyclists, and more.
09/20 – Ongoing	**FHWA Pedestrian and Bicyclist Program Support, Nationwide.** *Principal Investigator*. Provide support to the USDOT and FHWA Administrators initiatives to ***improve pedestrian and bicyclist safety nationwide***. Through this contract Elissa provides updates to FHWA on advancements within the industry, including ***briefings on new research and innovative countermeasures***. On-call support is provided to FHWA to support a variety of needs, including the ***development of social media campaigns***, provide ***direct technical assistance*** to agencies around the country, and hold ***peer-to-peer events***. Additionally, this contract includes the ***development and update of guidance documents***, including the Pedestrian and Bicyclist Safety for Transit Agencies, which is nearing completion, The Guide for Maintaining Pedestrian and Bicycle Facilities for Enhanced Safety, the Pedestrian and Bicyclist Safety Guides and Countermeasure Selection System (also known as PEDSAFE and BIKESAFE), and more.
08/19 – 10/21	**FHWA Safe Transportation for Every Pedestrian.** *Subject Matter Expert*. Through this project, she helped to lead agency ***peer-to-peer events***, provided ***direct technical assistance*** to agencies, and ***led pedestrian-focused Road Safety Audits***. As part of her direct technical assistance, she worked with agencies around the country to develop ***pedestrian countermeasure toolkits*** and

	evaluate and inform data anlysis practices. She also contributed to a ***peer-to-peer session*** on addressing ***pedestrian safety*** on arterials.
01/18 – 06/25	**NHTSA Pedestrian and Bicyclist Research Efforts, Nationwide.** *Principal Investigator*. Principal Investigator for several ***pedestrian and bicyclist research projects***; including one on Safety in Numbers for pedestrians and bicyclists, how people learn to use new bicyclist facilities, and most recently, slow streets for pedestrian safety. Each of these included a detailed literature review on ***VRU safety research and practices***, working with agencies from around the country on various ***VRU safety efforts***, establishing/implementing ***before and after research studies to determine effectiveness***. The last effort on Slow Streets for Pedestrian Safety culminated in two publications, including a guidance document for agencies considering implementing Slow Streets.
03/17 - Ongoing	**Pedestrian and Bicyclist Safety Action Plans.** *Lead Engineer*. Led the ***development of the FHWA How to Develop a Pedestrian and Bicyclist Safety Action Plan*** and an associated workshop. Both as part of the FHWA efforts and elsewhere, Elissa worked with many agencies on the development of their ***pedestrian and bicyclist safety action plans***. This has included ***fully developing*** their plans and also ***serving as an independent reviewer*** or ***providing technical assistance*** to agencies developing their own. Some of her work has included the development of the New York State PSAP, the update to this statewide plan, the Virginia PSAP/PBSAP, the City of Pittsburgh PSAP, and many others. As part of her work, she regularly ***analyses pedestrian and bicyclist crash data*** to inform the plan development.
03/17 – 05/23	**Virginia Pedestrian Crash Assessment and Safety Action Plan, Statewide, VA.** *Technical Lead*. Established the ***data processing and analysis methodology,*** oversaw the analysis, and ultimately the ***development and dissemination*** of the report. This report served as the backbone for many other efforts in the State. This analysis incorporated new datasets, such as statewide transit data and also the enhancement of certain datasets, such as the proximity to elderly care facilities and emergency medicine facilities or schools. This helped the State to understand where there were needs and opportunities to ***improve pedestrian facilities***. Elissa also assisted with the development of the award winning statewide PSAP in Virginia. With her role as the ***technical lead of the pedestrian crash assessment***, she ensured that the crash risk factors were used to identify locations for improvements. She assisted with developing the ***potential treatments to improve pedestrian safety***, including how to fund those improvements or incorporate them into other existing funding programs and planning efforts. This plan won the 2019 National Roadway Safety Award.
08/18 - 10/22	**Maine Vulnerable Road User Program and Active Transportation Plan, Maine.** *Technical Lead*. Worked with localities throughout the state to ***improve pedestrian safety***. The effort focused on three specific populations: 1) people experiencing homelessness, 2) the elderly, and 3) people for whom English is a second language. She has worked with Maine DOT to ***work with stakeholders*** to better understand their needs and identify opportunities to spread educational messaging in combination. She also worked with NHTSA to ***pilot a new method for education*** called High Visibility Education (HVEdu). Additionally, she was the ***safety lead for the statewide Active Transportation Plan***.
07/14 – Ongoing	**VRU Crash Modification Factors, Nationwide.** *Lead Engineer*. Led various ***crash modification factor efforts*** – some for FHWA and others for StateDOTs. She led the ***development of CMFs*** for Leading Pedestrian Intervals, the prohibition of permissive left turns (so analyzing the impacts of increased left turn protection), various combinations of pedestrian crossing treatments, and is currently leading the development of a CMF for curb extensions.

Firm employed by: vhb				Meets MPR No. 7
Name	Michael Dunn, PE		Years of relevant experience with this employer	7
Title	Traffic and Safety Engineer		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			BS / 2017 / Civil Engineering, University of Alabama MS / 2018 / Civil Engineering, University of Texas at Austin	
Active registration number / state / expiration date			PE #053826 / NC / Exp. 12/2026	
Year registered	2022	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Trainings, Complete Streets Policy / Steering Committee Support**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Michael is a **Transportation Engineer in VHB's Safety Practice**. He has been involved in a variety of projects related to **transportation safety**, planning, and traffic operations engineering. He specializes in practical application of **Safe System Approach principles**, **pedestrian and bicyclist safety**, and creating **practitioner-focused tools**, **training materials**, and approaches for applying research findings. His skills include technical writing, **data analysis and visualization**, traffic microsimulation, and project management.
08/19 – 10/21	**FHWA, Safe Transportation for Every Pedestrian (STEP).** *Engineer*. Member of the multi-disciplinary team that supported FHWA's Safe Transportation for Every Pedestrian (STEP) program. STEP was an FHWA Every Day Counts (EDC) initiative which promotes effective, proven countermeasures for ***increasing pedestrian crossing safety***. The program involved supporting FHWA's ***pedestrian crossing safety*** objectives through ***technical assistance, research, guidance, and communication*** to State and local practitioners. Michael authored case studies on ***effective countermeasure implementation***, worked with local and State agencies to address technical assistance requests, organized and facilitated ***Road Safety Audits (RSAs)***, peer exchanges, and site safety consultations, conducted outreach to States, supported ***marketing efforts***, and assisted in project management.
06/20 – 05/22	**FHWA, Intersections for Pedestrians and Bicyclists: An Informational Guide.** *Engineer*. Informational guide on planning, designing, and operating intersections that are safe, efficient, convenient, and comfortable for walking and bicycling. The guide adopts the ***Safe System approach*** as a foundational process for planning and designing intersections and incorporates research and existing guidance from various sources to create a holistic, practitioner-focused resource. The guide features detailed graphics to illustrate the integration of ***bikeways and pedestrian pathways*** at and across numerous traditional and alternative intersection designs. Michael led the literature review effort, supported development of the ***technical framework and graphics*** for the guide, and co-authored the guide itself. He also assisted in the management of the project.
08/21 – 06/23	**FHWA National Highway Institute (NHI), Designing and Operating Roadways for Safe Speeds.** *Project Manager*. Self-study portion of a new NHI course for Designing and Operating Roadways for Safe Speeds. Michael managed input from a team of VHB subject matter experts on topics including speed limit setting, roadway design, ***highway safety***, speed management, and ***data collection and analysis***. Michael also served as a ***subject matter expert*** on the role of the ***Safe System approach*** in designing and operating roads for safe speeds for all road users. Michael worked with Instructional Designers to incorporate

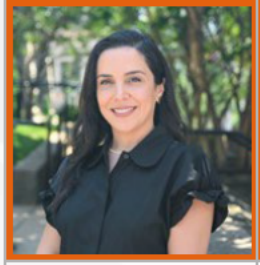
	the subject matter expert input into the ***course materials and design a course*** to actively engage and teach a diverse audience of transportation professionals.
07/22 – 05/24	**FHWA, Complete Streets Safety Analysis.** *Engineer*. Task Order to prepare guidelines that identify current practices for quantifying the safety performance effects of multiple safety treatments that are often implemented simultaneously during Complete Streets efforts. Michael led an extensive review and cataloging effort to search for and collect ***over 650 relevant Crash Modification Factors (CMFs)*** for Complete Streets treatments. He analyzed a sample of over 80 projects to determine common treatment combinations and treatment frequency. He then applied Highway Safety Manual analysis techniques to five detailed Complete Street project case studies and assessed the performance of the ***predictive analysis*** results in comparison to the ***observed crash patterns***. He also supported the development of the ***associated project report and the delivery of webinars***, ***journal articles*** and other materials to raise awareness of the results.
08/22 – 05/24	**North Carolina DOT, HSIP Pedestrian Safety Support.** *Engineer*. Pprovided key input to different initiatives in support of ***pedestrian safety*** throughout North Carolina. He applied the ***NCHRP 948 Design Flag analysis technique*** to a proposed intersection design in Fayetteville, NC. This involved developing a ***spreadsheet tool for scoring*** the analysis and proposed an approach for weighing certain flags based on characteristics of the subject intersection. More recently he has developed ***informational materials*** on pedestrians, bicyclist, and transit facilities and treatments for NCDOT's Signing and Delineation Unit, particularly focused on their relationship to signing and markings. He has supported the ***delivery of internal webinars*** on these topics.
09/20 – 05/21	**FHWA, Primer on Safe System for Pedestrians and Bicyclists.** *Engineer*. Co-authored a primer for FHWA that focuses on presenting transportation agencies and practitioners a baseline understanding of the ***Safe System approach*** and how it relates to ***pedestrian and bicycle safety***. The primer reviews the ***Safe System principles***, and the context of the ***Safe System approach*** within the field of ***safety management*** and provides suggestions for how to implement the approach into pedestrian and bicyclist safety efforts.
09/21 – Ongoing	**FHWA, Intersection Safety Program Support.** *Deputy Project Manager*. Supported the FHWA Office of Safety's intersection safety program through a series of task orders. Under the current task order, Michael helped ***develop training materials*** on how to use traffic signal techniques to promote ***multimodal transportation safety***. Previously, Michael ***updated FHWA Intersection Control Evaluation (ICE) documentation***, facilitated a ***peer exchange on intersection safety***, and supported the California and Nevada Departments of Transportation in updating their ICE policies to incorporate the ***Safe System Approach*** and better fit safety goals and processes.

Firm employed by. VHB				Meets MPR No. 7
Name	Heather Gade, PE		Years of relevant experience with this employer	2
Title	Active Transportation Engineer		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BS / 2007 / Civil & Environmental Engineering, University of Cincinnati		
Active registration number / state / expiration date		PE #50295 / MD / Exp. 12/2026		
Year registered	2016	Discipline	Transportation	
Contract role(s) / brief description of responsibilities		Technical Reviews, Complete Streets Policy / Steering Committee Support		

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Gade is an active transportation engineer with extensive experience in transportation planning and traffic engineering, **specializing in multimodal safety**. Her nearly four years living in the Netherlands deepened her commitment to Safe System principles and protecting vulnerable road users. Her expertise includes **safety analysis**, **planning and design of bicycle and pedestrian facilities**, and traffic analysis for intersections and corridors. She is experienced in public and stakeholder engagement, incorporating community needs and priorities into transportation projects. She provides technical assistance to state and local agencies, **develops practitioner-focused tools**, and **supports federal pedestrian and bicycle safety initiatives**, including Complete Streets and Safe Streets and Roads for All (SS4A), through technical writing and guidance development.
10/23 – 11/24	**Bicycle and Pedestrian Facilities Design, District Department of Transportation (DDOT), Washington, DC.** *Active Transportation Engineer*. Supported VHB's on-call contract, providing ***bicycle facilities design and analysis services***. This includes the design and installation of 15 miles of on-street bicycle facilities. Has been involved in the ***design of separated bicycle lane facilities***, including intersection design and rehabilitation, to adequately accommodate all modes of transportation.
10/23 – 09/24	**Intersection Safety Improvement Program (ISIP), DDOT, Washington, DC.** *Active Transportation Engineer.* Focused on high-crash intersections under the DDOT ISIP program. Responsibilities include developing reports that document existing conditions and providing ***countermeasure impact analysis*** at high-ranked crash locations. Uses ***traffic engineering and safety analysis methodologies to support Vision Zero efforts***, based on proven safety countermeasures for both motorized and non-motorized users. Recommended countermeasures include a range of treatments designed to balance vehicle and multimodal operations and safety.
09/23 – Ongoing	**Complete Streets Initiative Technical Support, Federal Highway Administration (FHWA), US.** *Technical Writer.* VHB is supporting the FHWA in advancing Complete Streets implementation through a range of communications, marketing, and technical support activities. ***Developed a five-part series of technical briefs*** that provide foundational guidance and address context-specific implementation challenges. The briefs cover topics such as the purpose and principles of Complete Streets, the transition from policy to implementation, and strategies tailored to rural main streets, urban cores, and suburban arterials.
08/24 – Ongoing	**Pedestrian and Bicycle Program Support, FHWA, Nationwide.** *Deputy Task Order Manager.* Provided ***on-call technical assistance and communications support to advance pedestrian and bicycle safety nationwide***. Develops and updates practitioner-focused guidance documents, provides technical writing support, and assists state and local agencies with safety planning. Through this contract, supporting updates to key resources including Pedestrian and Bicyclist Safety for Transit Agencies, The Guide for Maintaining Pedestrian and Bicycle Facilities for Enhanced Safety, PEDSAFE, and BIKESAFE.

09/23 – 06/24	**Blake Lane Road Safety Audit (RSA), Virginia Department of Transportation (VDOT), Fairfax County, VA.** *Active Transportation Engineer***.** As part of VDOT's Northern Region Traffic Engineering On-Call, this task involved an ***RSA*** on Blake Lane in Fairfax County due to community concerns and recent pedestrian fatalities. The study aimed at ***enhancing pedestrian safety*** with proposed countermeasures. ***Identified safety risks and suggested improvements*** for all road users. Public interest heavily influenced the assessments, which included educational components. The VHB team prepared materials for a public meeting to present the results.
10/23 – 10/25	**Route 50 Corridor Safety and Operational Study, Loudoun County, VA.** *Multimodal Discipline Lead.* Led this safety and operational study of 14 miles of Route 50 in western Loudoun County. The study analyzes safety and operations in existing conditions and 2040 to develop short-, mid-, and long-term recommendations. Led a ***planning analysis and detailed screening*** to determine the optimal location for a shared use path along 12 miles of the corridor, considering heritage features, topographical and infrastructure constraints, destinations, connections, pedestrian crossings, and safety. ***Public engagement*** was a critical component, with multiple focus groups and public meetings held throughout the study.
03/25 – 06/25	**SS4A Comprehensive Safety Action Plan, City of Portsmouth, Portsmouth, VA.** *Safety Engineer.* VHB worked with the city and Technical Advisory Committee to develop a Safety Action Plan, funded by the FHWA Safe Streets and Roads for All grant program. Supported the ***systemic safety analysis*** and identified the ***highest risk locations and facilities*** to develop the ***High Injury Network (HIN).*** Identified key emphasis areas and priority locations for eliminating fatalities and serious injuries and developed strategies and prioritized actions across policy and programs, engineering, engagement, and enforcement. Also supported corridor improvement recommendations for the top 15 HIN corridors.

Firm employed by.			
Name	Sahar Nabaee, PE	Years of relevant experience with this employer	1
Title	Senior Traffic and Safety Engineer	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization	MS / 2014 / Operations Research, University of Maryland MS / 2011 / Transportation Engineering, Oregon State University BS / 2009 / Civil Engineering, Sharif University of Technology		
Active registration number / state / expiration date	PE #52760 / MD / Exp. 06/2026; PE #0402061375 / VA / Exp. 10/2027		
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Technical Reviews, Trainings**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Nabaee is a **Senior Mobility Manager with 13 years of progressive experience** in both the public and private sectors, delivering multimodal planning and engineering projects that **aim to improve safety and mobility for all road users, particularly for vulnerable road users**. Prior to VHB, She served as the Deputy Associate Director of Traffic Engineering and Safety at the District Department of Transportation (DDOT), where she **managed citywide safety programs**. Previously, she worked as an engineering consultant for State and local DOTs across District of Columbia & the Mid-Atlantic region.
06/21 - Ongoing	**Pedestrian and Bicyclist Focused Approach to Safety, FHWA, Washington, DC.** *Senior Engineer/SME*. Since 2004, VHB has worked with the FHWA Office of Safety to ***deliver training and technical assistance programs*** to States, Cities, and planning organizations that were identified as having the highest need through factors such as the pedestrian or bicyclist fatality rate. The program has been successful in assisting agencies with identifying ***pedestrian and bicyclist safety concerns*** and ***implementing strategies*** to address them. Some of the documents created include Safe Systems for Pedestrians and Bicyclists Primer, Pedestrian and Bicyclist Road Safety Audit (RSA) Guide and Prompt Lists, How to Develop a Pedestrian and Bicycle Safety Action Plans, and Toolbox of Countermeasures and Their Potential Effectiveness for Pedestrians. Supported a variety of technical assistance tasks, including leading RSAs and RSA reports, ***facilitating peer exchanges***, and ***delivering courses*** offered through this project.
07/24 – Ongoing	**Development and Delivery of Highway Safety, Civil Rights, Business and Public Administration, Quality, and Communications Training, NHI, Nationwide.** *Instructor.* VHB ***develops and delivers training for the NHI*** in various formats and for a wide range of audiences. ***Served as an instructor*** and teaches courses on Planning and Designing Complete Streets (FHWA-NHI-380089), Planning and Designing for Pedestrian Safety (FHWA-NHI-380091), Pedestrian Facility Design (FHWA-NHI-142045), Bicycle Facility Design (FHWA-NHI-142080), and Developing a Pedestrian Safety Action Plan (FHWA-NHI-380090).
09/24 – Ongoing	**Technical Support for Slow Streets Safe Links, FHWA, Washington, DC.** *Task Order Deputy Project Manager.* New FHWA program that aims to address the overrepresentation of arterial roadways in the national traffic fatal and serious injury crashes. A special emphasis of this program is a focus on high volume, multilane arterial roads in suburban contexts with mixed land use, access management challenges, and a need for accommodating all road users through a ***safe system approach lens***. This includes ***developing a decision-making framework*** for transportation agencies and practitioners that

	spans roadway design, operations, and speed management using a series of project examples as a foundation. The ***step-by-step framework*** will provide guidance for screening, selecting, and determining the desired outcomes for the corridor, as well as what it means for redevelopment on long-range planning. Additionally, this program includes delivering ***webinars, training, technical assistance, and conducting RSAs*** to further efforts in redeveloping arterial roadways with Federal, State, local, and Tribal partners.
07/22 – 10/25	**SS4A Comprehensive Safety Action Plan, City of Portsmouth, Portsmouth, VA.** *Safety Lead.* VHB worked with the City of Portsmouth and the Technical Advisory Committee to develop a ***Safety Action Plan***, funded by the FHWA Safe Streets and Roads for All grant program. Led the ***systemic safety analysis*** and identified the ***highest risk locations and facilities*** across Portsmouth and developed the ***High Injury Network (HIN)***. In line with Virginia's Strategic Highway Safety Plan and VDOT's Pedestrian and Bicycle Safety Action Plan (PBSAP), identified key emphasis areas and priority locations for eliminating fatalities and serious injuries in Portsmouth, and developed strategies and prioritized actions across policy and programs, engineering, engagement, and enforcement. Also developed corridor improvement recommendations for the top 15 HIN corridors identified by the plan.
06/24 – 06/25	**Edsall Road Corridor Improvement Study, MWCOG, Alexandria, VA.** *Project Manager***.** Led the Edsall Road Corridor Improvements Study, that was funded by the MWCOG Transportation Land-Use Connections Program. The project was focused on implementing ***bicycle lanes and other corridor improvements*** on Edsall Road that promote ***safety and mobility for all road users***, in line with the Alexandria Mobility Plan. Led a ***walking audit*** and a ***design charrette*** and worked with ***project stakeholders*** to develop alternatives analyses and conceptual. The preferred concept features one-way separated bicycle lanes, new and improved pedestrian crossings, and various speed managemnet and traffic calming features including road diet, curb extensions, and median refuge islands.
11/21 – 03/24	**Traffic Safety Engineering Support Services (TSES), DDOT, Washington, DC.** *Program Manager.* Prior to joining VHB, served as the Program Manager for DDOT's Traffic Safety Engineering Support Services (TSES) program. TSES program delivers a wide range of transportation safety projects, as well as studies and policy recommendations to improve ***multimodal safety*** across the District of Columbia. Main services include ***road safety audits (RSAs)*** along the high injury network, monitoring safety performance and preparing ***annual safety performance reports***, and delivering ***multimodal safety improvement plans and projects.*** Managed planning and engineering teams that were responsible for services and projects delivered under this program and provided technical guidance and oversight. Personally led ***safety and operational analyses***, site visit and ***safety audits***, concept development, and engineering design for dozens of multimodal intersection and corridor projects, including corridor safety improvements, protected bike lanes, and road diet projects.
11/21 – 03/24	**Annual Safety Program (ASaP), DDOT, Washington, DC.** *Program Manager.* Prior to joining VHB, served as the Program Manager for DDOT's Annual Safety Program (ASaP). Each year, the program implements multimodal quick-build projects at approximately 100 sites that are selected through ***a data-driven process to proactively improve safety*** at locations along the high injury network and locations recommended for safety improvements through planning studies. Projects typically fall under three main categories: speed management, ***pedestrian and bicycle safety improvements***, ***and intersection safety improvement***.

Firm employed by.	vhb		
Name	Chris DeWitt, AICP	Years of relevant experience with this employer	26
Title	Senior Active Transportation Planner	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 1991 / City Planning, University of Virginia	
Active registration number / state / expiration date		AICP #014576 / Nationwide / Exp. N/A	
Year registered	1999	Discipline	Planning
Contract role(s) / brief description of responsibilities		**Technical Reviews, Complete Streets Policy / Steering Committee Support**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. DeWitt is a Senior Planner in VHB's Williamsburg, Virginia, office. His diverse **work experience ranges from planning and design of bicycle and pedestrian facilities to public involvement and grant funding.** He has worked with a variety of local, state, federal, and institutional clients to improve mobility, develop sustainable public open space, and enhance communities.
03/20 – 04/22	**Cross Charlotte Trail, City of Charlotte, Charlotte, NC.** *Technical Advisor and Multimodal Planner*. VHB led the corridor ***planning and environmental review effort*** on this project for a segment of Cross Charlotte Trail, a 2.5-mile greenway corridor spanning Pavilion Boulevard to the Cabarrus County line. VHB identified feasible project corridors, documented ***potential project impacts***, and developed ***planning cost estimates*** for implementation.
12/05 – 05/18	**Newmarket Creek Park and Trail Master Planning and Design, City of Hampton, Hampton, VA.** *Project Manager.* Led the ***planning and design*** of a 3-mile waterfront linear park. Helped the City secure approximately $1 million in outside funding for construction. VHB also completed ***engineering design*** for the Pine Chapel Road section of the trail, which included a ***shared use path along an existing roadway*** and modification to the existing bridge over I-64.
11/16 – 01/23	**Friendly City Trail, City of Harrisonburg, Harrisonburg, VA.** *Project Manager.* Led the ***shared-use path and sidewalk system*** to connect public schools, parks, and neighborhoods surrounding Garber's Church Road. The improvements enhance the City's multimodal transportation options and help expand Harrisonburg's bicycle and pedestrian network. The trail is open to the public, and has garnered awards from the American Public Works Association and the American Planning Association.
02/17 – 08/25	**South Hampton Roads Trail, City of Portsmouth, Portsmouth, VA.** *Bicycle and Pedestrian Technical Advisor.* Supported the Portsmouth section of the South Hampton Roads Trail. This primary regional trail network will connect the cities in the southside of Hampton Roads. The Portsmouth section utilizes an abandoned rail bed and includes several major roadway crossings.
10/17 – 12/18	**Better Streets Manual, City of Richmond, Richmond, VA.** *Technical Advisor*. Supported a City of Richmond project to develop a ***Complete Streets Manual*** for the City. The Manual provides a commitment to streets and infrastructure that are safe for all users and encourages more people to use non-motorized transportation.
12/15 – 09/18	**Main and Franklin Streets Separated Bike Lanes, City of Richmond, Richmond, VA.** *Multimodal Transportation Planner.* Supported the ***concept design of separated bike lanes*** in downtown Richmond. VHB worked with the City of Richmond to

	enhance multimodal access along primary streets and make connections to the City as a whole. The project was constructed and is an integral part of the City's transportation network.
04/13 – 06/14	**Bicycle/Pedestrian Master Plan, JMU, Harrisonburg, VA.** *Project Manager.* Led the preparation of a ***bicycle/pedestrian master plan*** for the James Madison University (JMU) campus to help the university realize the maximum potential benefits of an interconnected multimodal transportation system. The plan addressed connections within the JMU campus and to the City of Harrisonburg. The master plan resulted in a phased system of improvements along with an implementation plan and recommendations for funding. Facilitated Steering Committee, stakeholder, and public meetings.
09/10 – 10/18	**Main Street Enhancement, Mathews County, Mathews, VA.** *Project Manager.* Oversaw the provision of survey, design, engineering, and construction phase support for this Mathews Courthouse revitalization effort. The Town's conceptual plans called for the ***installation of new and safer sidewalks and crosswalks***, as well as an enhanced streetscape environment to include street trees, historic style street lighting, plantings, and other amenities. The project also required VHB's expertise in roadway design, ***traffic engineering***, drainage improvements, and regulatory compliance. Public outreach and stakeholder engagement were critical parts of the project. Also helped the county secure approximately $1M in Enhancement Funding for the project.
01/14 – 05/19	**George Washington Memorial Parkway, Memorial Circle Safety Improvement Environmental Assessment, NPS, Washington, DC.** *Project Manager.* Led this effort to evaluate alternatives to ***improve transportation safety*** surrounding Memorial Circle in order to reduce risks at key locations within the corridor and ***to reduce conflicts between drivers, bicyclists, and pedestrians*** while maintaining the memorial character of the area. Led a team that developed an Environmental Assessment that included a preferred alternative with specific trade-offs between safety and congestion, while including improvements sensitive to the project area context.
06/16 – 09/17	**Price's Fork Road Corridor Study, Town of Blacksburg; Blacksburg, VA.** *Pedestrian and Bicycle Planning Lead.* Led this study to address ***multimodal access and safety*** along a primary corridor serving the Town and the Virginia Tech campus. The corridor transect varies from rural to urban, and includes a major highway overpass. The Town and university have begun implementation of VHB's recommendations.
08/16 – 11/17	**Jefferson Park Avenue/Emmet Street Corridor Study, UVA, Charlottesville, VA.** *Bike/Pedestrian Task Leader.* Led this project to develop a conceptual plan to ***enhance pedestrian and bicycle mobility and safety*** along and across the Jefferson Park Avenue/Emmet Street corridor.

Firm employed by.			
Name	Chris Rome, PE, PTOE, RSP1	Years of relevant experience with this employer	<1
Title	Safety & Active Transportation Lead	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization	MS / 2011 / Civil Engineering, Transportation Systems, Georgia Institute of Technology BS / 2010 / Civil Engineering, Louisiana State University (LSU)		
Active registration number / state / expiration date	PE #PE039536 / GA / Exp. 12/2026; PTOE #4209 / ST / Exp. 03/2026; RSP1 #881 / Exp. 07/2028; RSP2I #254 / Exp. 11/2028; RSP2B #57 / Exp. 11/2028		
Year registered	2014	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**Technical Reviews, Complete Streets Policy / Steering Committee Support**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Rome is a versatile and dynamic multimodal transportation engineering professional with a **specialization in complete streets**, active transportation, **urban bikeway design**, **pedestrian and bike signals**, **transportation safety**, and traffic engineering. His **areas of interest include safe and equitable multimodal transportation solutions**, **vision zero/systemic safety**, transportation and public health, big data technology implementation, and transportation design standards, policy, and research. Chris volunteers for ITE Bike Signals Toolbox, 2024 and NACTO Urban Bikeway Design Guide Update Task Force, 2025.
03/27 - Ongoing	**Rural Statewide Active Transportation Plan, GDOT, Atlanta, GA.** *Lead Engineer*. As part of this first-of-its-kind planning effortreviewed the systemic and hotspot safety analyses to develop project implementation lists from the statewide prioritization of critical corridors for active transportation improvements, as well as providing recommendations for the state and national bike route network. Assisted with updating ***GDOT's Design Policy Manual - Complete Streets Warrants, and its Pedestrian and Streetscape Guide***. The overall effort will provide Georgia with a plan, based on national best practices, to improve active transportation safety, connectivity, and comfort levels statewide, focusing on rural areas and small towns. To achieve this, the plan will identify potential projects, policies, programs, and other strategies aimed at improving mobility and safety for vulnerable road users (VRUs), cyclists, and pedestrians.
01/23 – 08/25	**Regional Safety Design Services, GDOT, Atlanta, GA.** *Principal Safety Engineer.* Prior to joining VHB, served as ATLDOT's Principal Safety Engineer, responsible for requesting and reviewing consultant-produced ***crash screening and traffic engineering studies with a focus on vulnerable road users (VRUs)***. This work was conducted through GDOT's Regional Safety Design Services On-Call contract, in coordination with the GDOT Office of Traffic Operations Safety Unit and District 7, which covers the Metro Atlanta area. During his tenure, over 30 midblock pedestrian crossing studies and seven major state route corridor bicycle facility alternative evaluation safety studies were carefully reviewed and advanced toward implementation.
07/24 – 08/25	**Fatal Crash Review Commission, City of Atlanta, Atlanta, GA.** *Principal Safety Engineer.* Prior to joining VHB, served as ATLDOT's Principal Safety Engineer for this project. The Fatal Crash Review Commission (FCRC) is a quarterly review of all fatal surface street crashes in the City of Atlanta. Eight members of the commission represent the multi-disciplinary nature of reducing serious injury and fatal crashes and will provide recommendations on how to provide a phased approach to creating safer streets at fatal crash locations. Reviewed each crash in detail, provided ***crash causation diagnosis***, ***safety studies***,

	intersection and corridor safety analyses, and ***safety improvement recommendations***. 40% of the fatal crashes involved VRUs.
01/22 – 12/23	**Vision Zero Action Plan, City of Atlanta, Atlanta, GA.** *Subject Matter Expert (SME).* Prior to joining VHB, served as the subject matter expert (SME) on this project. Vision Zero is a systems-based approach to eliminating traffic fatalities and serious injuries through safer street design, speed management, and other proven strategies. In April 2020, the City of Atlanta solidified this commitment by passing the Vision Zero ordinance, 20-O-1239, requiring a Vision Zero Action Plan and authorizing a 25 mph default speed limit on many city streets. With the support of the Atlanta Regional Commission and over 35 stakeholder agencies, ATLDOT completed the Vision Zero Action Plan in November 2023, with a goal of meeting Vision Zero by the year 2040. Provided review and SME guidance on the detailed safety analytics and systemic risk methodologies to develop the ***high-injury network***, the ***safer streets checklist***, the ***implementation plan recommendations*** and ***Safer Streets Selection Tool***, with a special emphasis on research-backed emerging ***vulnerable road user (VRU) safety treatments***.
01/23 – 08/25	**Centerline Hardening, City of Atlanta Department of Transportation, Atlanta, GA.** *Principal Engineer and Project Manager*. Prior to joining VHB, served as the Principal Engineer and Project Manager for a citywide safety screening initiative. This project included an engineering evaluation, traffic studies, design processes, material procurement, and overseeing the installation by maintenance crews. The focus was on implementing centerline hardening treatments to ***enhance pedestrian safety and reduce exposure and severity*** from left-turning traffic. This initiative was applied to 23 signalized intersections in the first batch of implementation.
02/21 – 08/25	**Complete Streets, City of Atlanta Department of Transportation, Atlanta, GA.** *Principal Multimodal Engineer.* Prior to joining VHB, spearheaded the engineering evaluation and review of all ***complete street and safe street projects*** under the Office of Capital Delivery's Renew Atlanta and Moving Atlanta Forward programs. He offered high-level guidance on applying City, state, and federal design standards, criteria, guidelines, and incorporating state-of-the-art research, with a particular focus on Vulnerable Road User (VRU) safety. The Lead Review Engineer for over 40 complete street/safe street projects totaling over $300M, and Engineer-of-record for 8 complete street/safe street projects totaling over $20M.
01/24 – 08/25	**Leading Pedestrian Intervals (LPIs), City of Atlanta Department of Transportation, Atlanta, GA.** *Principal Engineer.* Prior to joining VHB, supported the ***Vision Zero program manager*** in a comprehensive citywide safety initiative. This initiative included the ***safety screening and LPI prioritization***, as well as engineering evaluations and traffic studies aimed at ***enhancing pedestrian safety***. Involved in the signal operations implementation to ***re***duce ***exposure and severity*** at the top 25 signalized intersections in the initial batch on city-owned streets. Additionally, reviewed consultant LPI studies for the top 25 locations on state routes and priority locations numbered 26 through 100 on city-owned streets.
01/18 – 12/18	**Cobb County Bicycle and Pedestrian Improvement Plan, Cobb County Department of Transportation, Cobb County, GA.** *Project Engineer.* Prior to joining VHB, led ***road safety audits*** and documenting existing conditions. Coordinated ***Safe Routes to School initiatives*** and developed ***potential improvement alternatives*** to support bicycle and pedestrian safety on identified roadways. Worked closely with a sub-consultant who led the creation of road safety audit documentation. The overall project involved developing an ADA transition plan, conducting stakeholder interviews, collecting and analyzing sidewalk data, and creating a GIS database of sidewalk assets.

Firm employed by. HDR			
Name	Megan Martin	Years of relevant experience with this employer	2
Title	Strategic Communication Team Lead	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		MPA / 2019 / Public Administration, Eastern Kentucky University BA / 2013 / Public Relations, Eastern Kentucky University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Trainings**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Martin is an **experienced instructional systems designer with over ten years of expertise** in creating and delivering impactful training solutions for infrastructure projects. She has a proven track record of **designing and implementing training programs** that improve team performance, ensure project success, and foster community engagement. Megan **excels in coordinating initiatives, managing cross-functional teams, and executing projects on time and within budget**. With a strong foundation in both project management and instructional design, she is **skilled at developing learning experiences** that align with organizational goals and drive measurable results.
06/23 – 06/25	**Dam and Levee Safety Training Program, USACE, Lexington, KY.** *Training Lead.* Led the design and delivery of learning solutions based on identified training gaps. Conducted ***needs assessments, maintaining client engagement, and developed interactive eLearning modules and training plans*** to boost learner engagement and effectiveness.
06/24 – 06/25	**Safe Systems Approach, New Jersey DOT, Lexington, KY.** *Instructional Design Lead.* Led the ***design and development of a full-day, instructor-led classroom course***. Managed a production team to create a comprehensive participant workbook and a detailed facilitation guide for instructors. Verified that the content was accessible, relevant, and effectively reinforced through hands-on learning materials and guided instruction.
07/24 – 06/25	**Property Management, National Highway Institute, Lexington, KY.** *Traffic Engineer*. Led the ***development of a course outline*** aligned with learning objectives and learning needs. ***Collaborated with subject matter experts*** to design engaging and effective materials for adult learners.
01/22 – 05/23	**Technology Transfer Program, Univ. of KY - KY Transportation Ctr, Lexington, KY.** *Training Program Manager.* Directed the ***full lifecycle of training development***, including designing online curricula, transitioning in-person courses to webinar delivery, and overseeing LMS integration. Authored ***technical publications and training support materials*** and produced a ***state-approved flagger training video*** for government use. Managed ***training programs and conference logistics***. Led a team coordinating more than 300 annual training events.
09/18 – 01/22	**Technology Transfer Program, Univ. of KY - KY Transportation Ctr, Lexington, KY.** *Technology Transfer Manager*. Led the expansion of ***workforce development programs*** through strategic funding acquisition and cross-agency collaboration. Developed ***comprehensive training in online modules, webinars, and classroom sessions***, while creating accompanying content and resource materials. Managed a team responsible for delivering over 345 training events annually.

VRU Planning Documentation / Modeling Support, Public Involvement

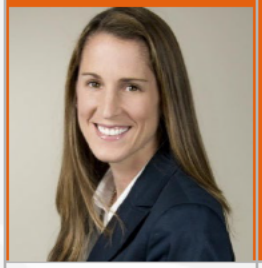
Firm employed by. ARCADIS				Meets MPR No. 2
Name	Cristina Martinez, AICP		Years of relevant experience with this employer	3
Title	Transportation Planner		Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization			MURP / 2016 / Urban and Regional Planning, University of California BS / 2013 / Environmental Science and Policy, Chapman University	
Active registration number / state / expiration date			Certified Planner, America Institute of Certified Planners # 31139 / US / 09/2026	
Year registered	2018	Discipline	Transportation Planning	
Contract role(s) / brief description of responsibilities			**VRU Planning Documentation / Modeling Support**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Martinez is a Transportation Planner with 10 years of experience at Arcadis, including managing and leading technical work on a diverse array of **multimodal infrastructure planning projects**, particularly focused on **active transportation,** access and sustainable connectivity between modes. Her experience includes project management, use case analysis, stakeholder coordination, and **strategic plan development**. She has effectively managed teams of planners, designers, and outreach specialists to deliver collaboratively built work products for regional and local communities. She is also experienced in utilizing GIS for both technical analysis and as a communication tool, developing web maps and visualizations for stakeholders and decisionmakers.
02/17 – 09/19	**Active Transportation Plan, Orange County Transportation Authority (OCTA), Orange County, CA.** *Planning Lead.* Arcadis developed the first countywide ***Active Transportation Plan*** for Orange County with the OCTA. Led the technical tasks of this effort to develop a ***regional plan and implementation strategies for bikeway and pedestrian improvements*** countywide to enhance the regional active transportation network. This also included coordinating a regional advisory committee comprised of the 35 jurisdictions (34 cities and the County) in the county, community-based organizations, and key stakeholders.
02/21 – 08/22	**East San Gabriel Valley Mobility Action Plan SCAG, Los Angeles, CA.** *Planning Lead.* Arcadis conducted a ***multi-modal planning study*** to identify near-term and long-term ***sustainable mobility solutions*** for unincorporated portions of the East San Gabriel Valley. The project included a robust and creative community engagement process. Conducted an existing conditions analysis, prepared a web map for public use, and conducted a suitability analysis to identify geographic areas of high need. Led development of the final plan.
06/21 – 02/23	**Comprehensive Transportation Plan, Ventura County Transportation Commission (VCTC), Ventura County, CA.** *Planning Lead.* Arcadis developed an update to VCTC's 2013 Comprehensive Transportation Plan. Led the technical effort to ***develop a plan outlining the long-range vision and objectives for mobility and sustainability in Ventura County*** over the next 20-30 years. It identifies a range of ***mobility improvements for all transportation modes*** and strategies to serve future travel demand throughout the region, placing a special emphasis on the inclusion of disadvantaged and underserved communities, and equitable, resilient mobility options. Stakeholder advisory groups were formed that included major institutions and employers in Ventura County, such as local universities, Naval Base Ventura County, the Port of Hueneme, as well as educational, business, and environmental representatives. The

	project also included an extensive community and stakeholder engagement process conducted through a mix of online and in-person events and meetings.
08/22 – 02/24	**Curb Space Data Collection and Inventory Study (CSDI) Southern California Association of Governments (SCAG), Los Angeles, CA.** *Mobility Specialist.* The SCAG CSDI is the second project where Arcadis is taking a ***comprehensive and multimodal review of curb space*** in the six-county, nearly 200-city SCAG region, resulting in the largest curbside management strategy in North America. The first study, the Curb Space Management Study (CSMS) was the first step in the Region's curb space journey, developing blueprints and tools for the SCAG cities to transform their ROW and curb space. The CSDI builds upon the tools developed as part of the CSMS to take a deeper dive into how curb space can be managed in the three cities of Los Angeles, Long Beach, and Stanton. Worked with curb side- related data from various municipalities, agencies, and vendors, to analyze and ingest demand data into ***Arcadis' Curb IQ analytics dashboard***. ***Developed curb side management strategies for each street typology and developed the final plan***.
07/19 – 04/25	**Santa Clara Valley Transportation Authority (VTA) Transit-Oriented Development (TOD) Station Access Studies, San Jose and Campbell, CA.** *Deputy Project Manager.* Arcadis has conducted Station Access Studies for several VTA and BART stations in San Jose and Campbell, including Tamien, Blossom Hill, Capitol, Branham, Winchester, North San Jose/Berryessa, and Downtown San Jose Stations. Led the technical team in identifying infrastructure improvements and mobility hub elements for ***safer multimodal station access*** considering proposed transit-oriented developments at the stations and ongoing multimodal plans. This involved collaboration with VTA, Caltrain, BART, City agencies, TOD developers, community-based organizations, and the public.
10/19 – 09/21	**Purple Line & First-Last Mile Guidelines, Los Angeles County Metropolitan Transportation Authority (LA Metro), Los Angeles County, CA.** *Planning Lead.* Arcadis developed a First-Last Mile Plan for the four transit stations comprising Sections 2 and 3 of the LA Metro Purple Line Extension, identifying station access and connectivity improvements. ***Led First-Last Mile analysis and planning for each of the stations***. Assisted in developing systemwide First-Last Mile Guidelines, which established Metro's role in integrating First-Last Mile improvement projects into the capital transit delivery process, from planning to environmental review, design, and implementation.
07/20 – 07/21	**Fresno-Madera State Route (SR) 41 & Avenue 9 Sustainable Corridors Study, Fresno Council of Governments, Fresno, CA.** *Transportation Planning.* Arcadis conducted a study to identify ***sustainable and multimodal mobility solutions*** for a quickly growing region with increasing travel demand among residents, commuters, and visitors. The study particularly focused on expanding mobility options for disadvantaged communities and overcoming barriers to mode choice, such as socioeconomics, environmental pollution, health-related conditions, and safety. Developed an existing condition report and produced maps detailing current ***multimodal infrastructure, demographic data, travel conditions, and historical collision data***. Assisted in developing ***multimodal corridor improvement strategies***.
07/23 – 03/25	**Advanced Air Mobility in the San Diego Region, San Diego Association of Governments (SCAG), San Diego County, CA**. *Project Manager.* Arcadis is developing a regional implementation strategy to prepare for advanced air mobility (AAM) in the San Diego region. The project consists of a two-phased approach to transform mobility and integrate AAM services as regulations evolved in a rapidly progressing sector. Led a team of experts across aviation, mobility, stakeholder engagement, and environmental advisory to conduct a comprehensive assessment of evolving research, policies, market analyses, and outreach strategies. The team is delivering a final report that SANDAG will use to inform AAM policy development for the region in the coming years.

Firm employed by. ARCADIS

Name	Julie Price, AICP	Years of relevant experience with this employer	12
Title	Principal Transportation Planner	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		MA / 2005 /Urban & Regional Planning; BA / 2003 / Urban & Regional Planning	
Active registration number / state / expiration date		AICP #176869 / USA / Exp. 06/2027	
Year registered	2007	Discipline	Planner
Contract role(s) / brief description of responsibilities		**VRU Planning Documentation / Modeling Support, Public Involvement**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Price has **20 years of experience as a professional urban and transportation planner**. She has worked for local and regional governments managing various programs, performing land use and transportation studies, feasibility studies, and developing streetscape plans. Julie performs traffic analysis to mitigate negative impacts of major developments around the region. Julie **identifies trends and makes forecasts related to long-range planning efforts**. She surveys, workshops, and **public meetings**, and mediates negotiations to achieve resolutions among stakeholders and clients.
10/10 – 10/11	**Comprehensive Transportation Plan, Cobb County, Marietta, GA.** *Planner*. Organized and executed three focus group sessions, interviewing stakeholders and community members during the listening tour, website design and updates, and responding to inquiries via website and email. Led the Health Impact Assessment (HIA) development including stakeholder committee communication, meeting facilitation, HIA review and recommendations. Assisted with the development of existing conditions and ***needs assessment***, project commendations, and ***project evaluation and prioritization***.
09/14 – 07/16	**Cartersville-Bartow MPO Planning, Bartow County, Cartersville, GA.** *Planner*. Responsible for compiling a wide range of options from multiple sources, including those previously identified in plans and studies, stakeholder input, new options established through ***needs assessments***, and ***best practices/innovative strategies*** for similar projects.
09/13 – 11/13	**Feasibility Study - Martin Luther King Jr. Drive Improvements, City of Atlanta, Atlanta, GA.** *Planner*. Coordinated with the city, project engineers, consultant teams, and subcontractors to craft and deliver relevant, cohesive messaging. Julie communicated the most relevant ***engineering and cost information***, and effectively captures ***public input*** and comments in a way that can guide the overall project.
03/14 – 12/15	**Feasibility Study - SR 5/Bright Star Road, City of Douglasville, Douglasville, GA.** *Planner*. Activities include organizing and facilitating stakeholder and technical committee meetings, ongoing directed communication with these committees to receive valuable and impactful information, ***preparing materials and agenda for public meetings***, creating and dispersing advertisements for public meetings, existing conditions and data collection, land use and economic analysis, ***alternatives analysis***, ***recommendations***.
06/19 – 09/21	**Feasibility Study - DeKalb Avenue Corridor Improvement, City of Atlanta, Atlanta, GA.** *Transportation Planning Lead*. for the Renew Atlanta Bond Program On-Call contract. Responsible for coordinating with project engineers and the City to ensure outreach communicates the most relevant ***engineering and cost information***, and effectively captures ***public input*** and comments in a way that can guide the overall project. In the short-term, this project includes resurfacing, removal of a reversible lane, and addition of a ***bi-directional cycle track and improved pedestrian infrastructure***.

04/14 – 05/16	**I-285/SR 400 Interchange Reconstruction, GDOT, Metro Atlanta, GA.** *Public Involvement Team Member*. Responsible for Arcadis' GDOT GEC On-Call contract including operational improvements along the I-285/SR 400 interchange. Responsibilities included ***preparing materials***, ***advertising for public information and public hearing open houses***, responding to public comment, and documentation of public information open house information and land use and development review as part of the DEIS.
10/15 – 11/21	**Atlanta Downtown Connector Feasibility Study, GDOT, Atlanta, GA.** *Transportation Planning Lead/ Stakeholder Engagement Lead*. Responsible to review and evaluate various options to provide Connector congestion relief and improve operations. Feasibility study included identification of corridor-wide design alternatives for 8.5 miles of interstate through the heart of Downtown Atlanta. Study identified and evaluated ***corridor management and capacity adding solutions*** to provide congestion-relief and reduce driver frustration.
01/22 – 04/22	**RAISE Grant Application – West Tuscarawas Street Multimodal Safety Project, City of Canton, OH.** *Project Team Leader*. Responsible for ***writing and developing the complete RAISE grant application***. This effort included collaborating with various City staff, helping secure letters of support, researching the project details, developing maps and charts to support the grant, developing the benefit cost analysis information, and writing the content for each criteria section.
01/2016 – 06/16	**Together for Safer Roads Grant writing – North Avenue Corridor, City of Atlanta, Atlanta, GA.** *Project Team Lead*. Responsible for ***writing and developing complete Together for Safer Roads grant application*** for the North Avenue Corridor in the City of Atlanta. This was a winning grant that provided additional technical support underscoring how smart improvements can improve the overall safety metrics on North Avenue. As a growing multimodal corridor connecting Georgia Tech, GDOT headquarters, MARTA North Avenue Station, Coca Cola world headquarters, and Ponce City Market, combining vehicles, transit, ***cyclists and pedestrians***, the opportunities for improvement are strong.
12/18 – 04/19	**BUILD Grant writing – SR 15/US 441 Widening and Reconstruction, GDOT, Rabun County, GA.** *Project Team Leader*. Responsible for ***writing and developing the complete BUILD grant application*** for the SR 15/US 441 Widening and Reconstruction project for the GDOT. This BUILD grant application was submitted to the U.S. DOT. This effort included interviewing various GDOT staff, helping secure letters of support, researching the project details, developing maps and charts to support the grant, developing the benefit cost analysis information, and writing the content for each section for the grant application.
02/16 – 06/16	**TIGER Grant writing – MLK Jr. Drive Corridor Improvement Initiative, City of Atlanta, Atlanta, GA.** *Project Team Leader*. Responsible for ***writing and developing the complete TIGER grant application*** for the Martin Luther King Jr. Drive Corridor Improvement Initiative for the City of Atlanta. This TIGER grant application was a winning grant and was funded by the U.S. DOT. This effort included interviewing various city staff, helping secure letters of support, researching the project details, developing maps and charts to support the grant, compiling the benefit cost analysis information, and writing the content for each section.
02/17 – 09/17	**SMART Study: Southwest Houston Sub-Regional Planning Study, TxDOT, Houston, TX.** *Engagement Lead*. Worked for this innovative SMART (Sustainable Mobility Alternatives for Regional Transportation) study for the southwest Houston area to review drivers of transportation change and long-term needs for the future. ***Led stakeholder workshop*** to co-create goals, objectives, and performance measures to guide the study.

Firm employed by. HDR			Meets MPR No. 7
Name	Mindy Moore, AICP	Years of relevant experience with this employer	3
Title	Senior Transportation Planner	Years of relevant experience with other employer(s)	21
Degree(s) / Years / Specialization		Masters / 2001 / Community & Regional Planning, Iowa State University Bachelors / 1998 / Urban Studies, Standford University	
Active registration number / state / expiration date		AICP 123811 / National Certification / Exp. 6/30/2026	
Year registered	2003	Discipline	Planning
Contract role(s) / brief description of responsibilities		**Data Analysis / Network Screening, VRU Planning Documentation / Modeling Support, Public Involvement**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Moore is a **Senior Transportation Planner and Project Manager with 24 years of public and private experience specializing in bicycle and pedestrian facilities.** She has led numerous active transportation planning and design projects related to on-**street bicycling, shared use paths, walkability, bicycle and pedestrian wayfinding signage, integration with transit, and policy and ordinance development**. She skillfully coalesces stakeholder and public engagement efforts with technical design expertise to create supported and implementable plans. From corridor studies to citywide master plans to statewide strategies, Mindy ensures that people walking, biking, and rolling have safe and comfortable facilities that support equitable mobility and accessibility. Mindy also writes state and federal grant applications and has managed design and construction projects with various funding sources. She is a long-standing member of the Des Moines Area MPO's Bicycle and Pedestrian Roundtable, and a board member of the non-profit Des Moines Street Collective and the Iowa Bicycle Coalition. As a regular recreational bicyclist, runner, and walking-commuter, she brings a true multimodal perspective to her work, which adds to her credibility with clients and bicycling and walking advocates.
05/25 – Ongoing	**Safe Streets and Roads for All – Safety Action Plan, Metropolitan Planning Organization of Johnson County (MPOJC), IA.** *Project Manager*. This project is to develop a ***Comprehensive Safety Action Plan*** following the requirements of the federal Safe Streets and Roads for All program. The ultimate goal is to eliminate transportation-related fatalities and serious injuries within the corporate limits of Iowa City, Coralville, North Liberty, Tiffin, and University Heights. Leading the project team to analyze ***safety and demographic data*** to identify High-Risk and High-Injury Networks in the urbanized areas. Then, though engaging ***stakeholders and the public***, the team will identify a ***priority network for infrastructure improvements***. The project includes identifying ***policies and process changes and infrastructure strategies*** that can be used to improve transportation safety for all.
08/22 – Ongoing	**MnDOT Active Transportation Planning Assistance Program, Terra Soma LLC, MN.** *Project Manager.* MnDOT offers an assistance program for cities and counties to apply for help with active transportation planning, concept development, demonstration projects, and community education and engagement. HDR served as a subconsultant with a team to offer this planning assistance. In the initial year of the program, HDR assisted or led the development of Action Plans for 13 communities and led four of these plans. In the second year of the program, HDR led the development of action plans for six more communities, with leading two of them. As a planning lead, managed analysis, guided public engagement efforts, facilitated walking and biking audits, led mapping workshops, and synthesized the planning effort into concrete steps for communities to improve active transportation. Serving as the project manager for a second round of ***planning assistance to***

	lead four more active transportation action plans along with technical assistance such as preliminary design development and cost estimating for up to 20 communities.
11/23 – 07/25	**Comprehensive Safety Action Plan, Des Moines Area MPO, IA.** *Active Transportation and Communications Planner***.** HDR Served as a member of a multi-firm team to deliver the Des Moines Area Metropolitan Planning Organization's (MPO's) $1 million comprehensive safety action plan for the 500 square mile planning area funded through the Safe Streets and Roads for All (SS4A) federal program. The project team developed a ***strategic safety messaging framework, initiated public and stakeholder engagement***, assessed existing community policies and standards, and developed a ***robust safety analysis***. The project also included a ***systemic safety strategy toolbox***, a ***high-injury and high-risk networks***, and a ***priority corridor network*** for safety projects. Mindy's role included consultation with MPO member communities on project needs, presentations at member community's city councils, review of safety countermeasures, and drafting of program and policy recommendations.
03/23 – 01/24	**Vulnerable Road User Safety Assessment, Louisiana Department of Transportation and Development, LA.** *Lead Active Transportation Planner.* Served as the ***lead active transportation planner for the DOTD's VRU Safety Assessment***, which included ***data analysis***, ***consultation with local and regional governments***, and ***identification of projects or strategies*** to improve conditions for VRUs. The data analysis process resulted in polygons referred to as "target analysis areas" representing higher risk areas. Reviewed the road networks and priority routes within these areas to help identify potential projects and countermeasures to improve safety outcomes for VRUs. Assisted with consultation with local and regional governments to discuss the target analysis areas and potential projects. Also drafted improvement strategies including an array of infrastructure countermeasures, educational and outreach programs, and policy updates.
08/23 – 11/23	**Vulnerable Road User Safety Assessment, South Dakota Department of Transportation, SD.** *Lead Active Transportation Planner.* Led the project team to ***complete South Dakota's VRU Safety Assessment*** in a constrained timeline of three months and submitted the final report by the federal deadline in November 2023. Led consultation ***meetings with representatives from high-risk areas, a tribal survey, and a bicycle and active transportation interest group survey***. This included two virtual meetings with stakeholders from high-risk counties that were divided into groups based on geographic location east and west of the Missouri River. This also included virtual meetings with representatives from the state's two largest cities, the City of Sioux Falls and the City of Rapid City. Using the information from the consultation meetings and the data analysis, recommended projects and strategies including an array of infrastructure improvements, educational and outreach programs, and policy updates. The consultation process revealed several "Strategy Improvements Ideas" as attendees discussed their local challenges and concerns related to VRU safety, which was documented in the VRU Safety Assessment.

Firm employed by. HDR			
Name	Leslie Pollack, PE, PTOE	Years of relevant experience with this employer	20
Title	Senior Traffic and Safety Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	ME / 2004 / Engineering, Texas A&M University BS / 2003 / Mechanical Engineering, Texas A&M University		
Active registration number / state / expiration date	PE.101285/ TX / Exp. 03/2026		
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	**VRU Planning Documentation / Modeling Support**		

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Pollack has served as Project Manager, Deputy Project Manager, and Technical Lead for numerous multimodal analysis and design projects. She is **experienced in pedestrian/bicycle connectivity and safety and has become a nationally recognized expert** in this area within HDR. She **understands pedestrian design considerations including ADA compliance requirements** along with the participation of public and private stakeholders to develop informed consent as it relates to the planning process. Leslie has managed projects with multi-disciplinary teams, a multitude of infrastructure assessments, and challenging public outreach all while successfully maintaining project schedules and budgets.
08/24 – Ongoing	**Bottleneck Study, CAMPO, TX.** *Project Manager.* The purpose of this study is to evaluate mobility at freeway interchanges and major arterial intersection locations across CAMPO's six-county region and identify improvements that ***reduce congestion and improve safety***. The team developed a comprehensive methodology for identifying, prioritizing, and ranking bottleneck intersections and interchanges within the region. A ***thorough data collection plan*** was developed, and existing, available GIS data was leveraged to begin the prioritization process. A ***prioritization tool*** was developed in GIS to rank intersections based on traffic operations, safety, the built environment, and economic and demographic data. The resultant list identified bottlenecks to further develop into preliminary concept development. The next steps include ***data collection and modeling*** of the top four bottleneck locations. ***Preliminary design concepts*** to ***improve safety and mobility*** will be developed, and concepts will be rendered for public use. Cost estimates will be developed, and a Benefit/Cost ratio will provide additional support for further advancement of these concepts.
01/23 – 08/24	**Austin Avenue Corridor Planning, CAMPO/City of Georgetown, Georgetown, TX.** *Traffic Task Lead.* HDR assisted CAMPO and the City of Georgetown with conducting the Austin Avenue Corridor Study between Southeast Inner Loop and Northeast Inner Loop. The project is a ***multimodal study*** that will consider various transportation modes such as ***driving, walking, and biking***. Evaluated and provided recommendations to ***improve safety and traffic operations*** at the intersection of Austin Avenue and San Gabriel Village Boulevard by constructing a roundabout. Due to constrained ROW, a single lane roundabout was evaluated. However, due to the level of service failing for the single lane option, a 2-lane roundabout design advanced to PS&E. Due to the anticipated volume of pedestrian and bicycle traffic at this location, the design also included ***accessible pedestrian crossings, a landscaped buffer, and SUP to enhance safety and multimodal connectivity***. The project team also incorporated additional signage and recommended an educational campaign to be initiated prior to project completion.
05/21 – 02/23	**IH-35 CapEx North, South, and Central, TxDOT Austin District, Austin, TX.** *Senior Traffic Engineer*. Led the traffic engineering team that developed Vissim microsimulation models for the entire three-segment corridor and is using the models to analyze traffic operations and provide results for each of the three segments' IAJRs. Worked with the team to ***develop crash patterns***

	as part of a 6-year historical crash analysis and developed predictive safety analysis files in IHSDM. Due to the heavily congested conditions along the IH 35 corridor, a simple traffic analysis based on HCM formulas was insufficient, as it cannot capture more complex traffic phenomena, such as queue spillback from downstream bottlenecks. Additionally, FHWA updated its traffic microsimulation guidance only weeks after project scoping and traffic data collection, which required additional data collection and validation of model travel times at 15-minute intervals throughout peak periods. Provided direction on using microsimulation analysis, which enabled traffic engineering specialists to account for complex traffic issues by modeling individual vehicles along a corridor and aligning with the FHWA's new toolbox. Guided the team in developing a plan to obtain additional traffic data from available sources (e.g., INRIX, STARS II) and adjusted the presentation of the model validation criteria. This plan was approved by FHWA and saved the project team months that would have been needed to adhere to the new toolbox. Ultimately, this early approval enabled environmental studies to commence early and allowed TxDOT to proceed with and begin construction on the projects, which have a combined cost of over $1B and are anticipated to reduce congestion and improve safety along the corridor.
09/18– 05/19	**Pedestrian Access Inventory (PAI), TxDOT Support Services Division, Statewide, TX.** *Project Manager.* As part of an ADA Transition Plan, TxDOT hired HDR to ***inventory pedestrian and bicycle assets on state facilities***. Provided services across the state in the Austin, Bryan, El Paso, Waco, Brownwood, and Abilene districts. Deployed eight field teams concurrently ***collecting ADA compliance data*** on sidewalks, curb ramps, bus stops, and pedestrian push buttons. The field teams use smart levels, pressure gauges, and measuring wheels to quantify ramp measurements, inventory deficiencies, and document compliance with ***PROWAG and Texas Accessibility Standards***. Trained field technicians on technical requirements and appropriate measurement taking. Tested the use of light detection and ranging (LiDAR) and High-Efficiency Trail Assessment Process data collection as innovative tools to expedite the data collection process. Used a TxDOT application to input field collected data directly into the GIS database. Bicycle facilities were also inventoried and documented in the GIS database. Evaluated over 35,000 data points (curb ramps, bus stops, and pedestrian push buttons), 1,000 miles of sidewalk, and 90 miles of bicycle facilities as part of the project. Processed the GIS database to summarize conditions, prioritize projects, and estimate repair costs. Managed the design team, subconsultants, and task leads, identifying resources and staffing requirements for each individual sidewalk project. Coordinated with the TxDOT Division and District offices throughout the contract to communicate schedule, progress, and design challenges. Worked with the HDR design team to identify technical solutions and options for presentation to TxDOT decision-makers. Provided ***technical expertise on ADA compliance requirements***. Responsible for progressing the projects forward on very tight design schedules to meet TxDOT letting date requirements.
02/14 – 11/18	**Transportation Master Plan Update, City of San Marcos, San Marcos, TX.** *Project Engineer.* The City of San Marcos is among the fastest-growing cities in the nation. To keep pace with the growing needs and traffic, our team was retained by the City to update their ***Transportation Master Plan***, which will improve safety, minimize congestion, preserve local character, and protect the rivers and the San Marcos environment. As part of the planning process, utilized CAMPO's travel demand models and developed a sub-area model to develop 2025 and 2035 travel forecasts. Used Synchro models to conduct corridor analysis to develop a ***Capital Improvement program*** that identifies improvements the City will need over the next 20+ years. Recommended improvements will incorporate the priorities of the City's "complete streets" initiative through an evaluation of ***multimodal transportation system alternatives***. Also led the ***development of a revamped roadway hierarchy system*** for the City's thoroughfare plan.

Firm employed by. ARCADIS			
Name	Cara Hodgson Vojdani	Years of relevant experience with this employer	6
Title	Principal Transportation Planner	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		MA / 2008 / Public Administration, Georgia State University BA / 2000 / Political Science and Concentration in Women's Studies, Furman University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Public Involvement**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Ms. Vojdani is strategic, innovative, and effective communications professional with 22 years' experience leading successful, multi-faceted campaigns for state, regional, and local organizations including the City of Atlanta, Metropolitan Atlanta Rapid Transit Authority (MARTA) and Georgia Department of Transportation (Georgia DOT). For 17 years, her experience has primarily focused on the transportation industry. **Her engagement approach is focused on fostering meaningful connections with stakeholders and the community through multifaceted proactive outreach**.
01/06 – 07/13	**Metropolitan Atlanta Rapid Transit Authority (MARTA), Atlanta, GA.** *Manager of Communications.* Managed all ***day-to-day media relations*** activities including ***writing and distributing press releases, responding to media inquiries, securing positive cover for MARTA in local and national news stories, responding to emergency situations, executing communication plans and coordinating interviews*** with the General Manager/CEO, MARTA Board of Directors, and Assistant General Managers. ***Managed major communications and media outreach campaigns educating the public, customers, and partners about MARTA's mission and initiatives.*** Wrote content and coordinated production of MARTA's annual report, Transit Times external newsletter, and the MARTA stop internal e-newsletter. Drafted speeches for MARTA's General Manager/CEO, board members, and directors. Oversaw all commercial filming and photography on the transit system in coordination with MARTA's legal, police, and operations departments. ***Developed campaigns to educate partners, customers, and the community about the MARTA service and the benefits of transit.*** Led internal communications, including managing the Internal Communications Specialist position.
01/19 – Ongoing	**Georgia DOT – GEC Communications, GDOT, Atlanta, GA.** *Communications and Engagement Lead*. Assisting with I-285 Westside Express Lanes communications and stakeholder and public engagement for the General Consultant (GEC) work for Georgia DOT. Coordinating communications, including videos, for the Georgia DOT I-85 Corridor Study. Led engagement and communications for Renew Atlanta DeKalb Avenue interim concept implementation and long-term design concept development.
01/19 – Ongoing	**I-285 Westside Express Lanes, GDOT, Multiple Locations, GA.** *Public Involvement / Outreach.* Coordinates proactive communications, ***including stakeholder and public engagement,*** for the General Consultant (GEC) work for GDOT's I-285 Westside Express Lanes project. This work includes ***communications plan development and updates, messaging, collateral development and updates, digital communications, stakeholder and public meetings and communication.*** Also led internal

	and external communications campaigns for the overall Georgia Express Lanes program, including the I-75 South Metro, Northwest Corridor, and I-85 Extension projects.
8/13 – 11/18	**Multiple Projects, HNTB, Atlanta, GA.** *Communications Director/Department Manager.* Led a 14-member communications team ***providing program management, communications, public relations, outreach/ engagement, digital, and creative services*** to regional and state transportation agencies including MARTA, SRTA, and GDOT. Led communications and outreach activities for MARTA's Planning Department, including More MARTA Atlanta, the city's largest expansion program in 40 years. As Communications Manager, worked collaboratively with team members to accomplish the following. • Served as firm's communication program manager for major state and regional transportation initiatives including, GDOT's Georgia Express Lanes, Georgia Commute Options (GCO), Fulton County Transit Master Plan and Xpress Commuter Service Transit Demand Management marketing plan. • Led internal and external communications campaigns for Georgia Express Lanes, including the I-75 South Metro, Northwest Corridor, and I-85 Extension projects. • Led the GCO communications team, delivering strategic communications services designed to inspire commuters and employers to engage in clean commute activities. • Coordinated GCO's efforts with partner organizations, including Transportation Management Associations, transit and transportation agencies, and local governments, further raising awareness about the benefits of clean community. • Provided communications support for public outreach activities for the development of the Fulton County Transit Master Plan. ***Coordinated development of a marketing and community engagement plan for Xpress to encourage commuters to use the transit service*** during Transform 285/400 construction.
01/19 – 12/22	**I-85 Corridor Study, GDOT, Gwinnett County, GA.** *Communications Manager.* Activities include writing and preparing project videos, ***assisting with social media and supporting outreach activities***.
05/19 – 01/20	**DeKalb Avenue Complete Street, City of Atlanta, GA.** *Communications Manager.* Led communications and stakeholder engagement for the DeKalb Avenue interim concept implementation and long-term design concept development. This work included the ***development of a communications plan, project materials and a stakeholder presentation. Coordinated stakeholder meetings and assisted in preparing for a public meeting to present the project concept.***
01/17 – 01/18	**Fulton County Transit Master Plan, Fulton County, GA.** *Communications Manager.* ***Provided communications support for public outreach activities*** for the development of the Fulton County Transit Master Plan.
01/17 – 01/18	**Xpress Bus Service, Fulton County, GA.** *Communications Manager.* Coordinated the development of a marketing and community engagement plan for Xpress designed to encourage commuters to use the transit service during the 285/400 construction project.

Roadway Design and Environmental Support Staff

Firm employed by. ARCADIS

Name	Jose L. Rodriguez, PE	Years of relevant experience with this employer	3
Title	Senior Roadway Engineer	Years of relevant experience with other employer(s)	24
Degree(s) / Years / Specialization		BS / 1992 / Civil Engineering, University of New Orleans	
Active registration number / state / expiration date		PE.0030492 / LA / Exp. 03/2027	
Year registered	2003	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Rodriguez has more than 26 years of experience with roles of progressive responsibility as a civil engineer performing **roadway design**, bridge design, project management, hydraulic analysis, utility coordination, construction supervision, **cost estimating**, and project implementation for various clients in the states of Louisiana, Texas, Georgia, and North Carolina. Worked in close relationship with the Louisiana Department of Transportation, City of New Orleans Department of Public Works, New Orleans Sewer and Water Board, Plaquemines Parish, Jefferson Parish, St. Bernard Parish, U.S. Army Corps of Engineers, New Orleans Regional Planning Commission. Experience includes a wide range of project applications including **Stage 0 feasibility and safety studies**, safety design, **environmental assessments**, and design projects. Extensive experience in Inroads, Autodesk Civil 3d, Leap Bridge for Concrete Bridge Design, and Excel Spread Sheets. Served on the American Concrete Institute (ACI) Louisiana Board, becoming president of the Louisiana Chapter in 2010.
04/23 – 01/25	**Stage 0 Studies IDIQ – LA 22 Tchefuncte River Bridge, LADOTD, St. Tammany Parish, LA.** *Lead Roadway Engineer*. Responsible for ***preliminary roadway and drainage design*** for a ***Stage 0 Feasibility Study*** to develop and ***evaluate feasible alternatives*** for the replacement of the LA 22 Tchefuncte River Bridge in Madisonville, LA. The bridge has a high frequency of opening due to marine traffic and low elevation above the river. Arcadis developed several bridge alternatives including fixed and moveable bridge options. Alternatives were evaluated with respect to ***construction cost***, ***ROW***, ***traffic and safety***, and environmental. All study methods and results were documented in a ***Stage 0 Feasibility Report*** with ***Preliminary Scope and Budget Checklist*** and ***Environmental Checklist***.
02/23 – 05/24	**Stage 0 Feasibility Study - District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Lead Roadway Engineer*. Responsible for contract management and technical advisory for this ***Stage 0 Feasibility*** study to ***develop and evaluate safety countermeasures to address pedestrian safety needs on 7 corridors within Caddo and Bossier Parish***. The study methodology was similar to that of a Road Safety Assessment, and included historical crash analysis and on-site field reviews to identify pedestrian safety needs. Countermeasures were developed in ***close coordination with project stakeholders*** including City of Bossier, City of Shreveport, NLCOG, Downtown Development Distriction, and District 04. Mr Rodriguez was responsible for developing ***conceptual desing drawings***, ***ROW and utility impacts***, and ***cost estimates*** for propsoed alternatives. Stakeholders also participated in virtual and on-site field reviews. Study data, methods, and results were documnted in a ***Stage 0 Feasibility Reports*** were completed for all 7 study corridors with ***Preliminary Scope and Budget Checklist*** and ***Environmental Checklist***. ***Benefit-cost analysis*** was provided to aid in prioritizing the implementation of countermeasures.

01/08 – 05/08	**Stage 0 Feasibility Study - I-12 to Bush Corridor Study Phase III, LADOTD, St. Tammany Parish (STP), LA.** *Roadway Designer.* Responsible for ***evaluating environmental issues and developing design alternatives*** in accordance with the ***National Environmental Policy Act (NEPA)*** for transportation improvements.
05/12 – 12/15	**Earhart Boulevard Causeway Interchange, LADOTD, New Orleans, LA.** *Roadway Designer.* Responsible for the ***geometric design and roadway plan preparation*** for the Earhart Boulevard-Causeway Interchange. The Earhart Boulevard Causeway Interchange purpose was to assist in traffic congestion relief for the east-west flow in traffic for the New Orleans Metro Area. It consisted of the development roadway and bridge ramps for the creation of an elevated signal-controlled interchange. The estimated construction cost for this project was approximately fifty-nine million dollars. Responsible for the ***development of all horizontal and vertical alignments*** for this project as well as roadway plan preparation, developing all ***roadway cross sections***, drainage design, utility conflict resolution and ***cost estimating*** for the project. Bentley InRoads was used for the development of the ***roadway plans*** for this project.
02/10 – 06/11	**I-10 from Veterans to Clearview, LADOTD, Metairie, LA.** *Roadway Designer.* Responsible for ***roadway plan preparation*** for widening 1.2 miles of I-10 from three lanes to five lanes in each direction. The project also included bridge work to accommodate the new roadway widening. Jose was also responsible for the alignment and design of concrete sound walls along the corridor. He helped implement an innovative two-sided concrete stamp process for the noise wall precast concrete panels.
07/09 – 07/15	**Peters Road Expansion, Phases I, II and III, LADOTD, Plaquemines, LA.** *Roadway Designer.* Responsible for the ***geometric design, plan preparation and wetland delineation*** of Peters Road Phases I, II and III. The projects consisted of a new roadway, elevated crossing over the Intracoastal Waterway, approach roadways in Jefferson and Plaquemines Parishes to tie Peters Road to Louisiana 23 near Barrier Road. The projects were prepared in coordination with Plaquemines, DOTD and the U.S. Army Corps of Engineers.
02/07 – 10/09	**John James Audubon Bridge Approach (Design-Build [DB]), LADOTD, New Roads, LA.** *Roadway Designer.* Responsible for the ***geometric horizontal and vertical alignment for five approach bridges*** to the John James Audubon Cable Stay Bridge. The longest cable-stayed bridge in the Western Hemisphere consisting of 1,583' main span. Jose was also in charge of the quality control for all bridge approaches and the design of all precast concrete girders for the project.
10/17 – 03/18	**Traffic Turn Lanes on Highway LA 3127, Yuhuang Chemical Inc., St. James, LA.** *Quality Control (QC).* Review for the ***design of two turn lanes*** into the Yuhuang Chemical Methanol plant in St. James Louisiana. During construction, Jose provided the owner, with construction design services for the duration of the construction phase.
12/15 – 01/16	**Magnolia Ridge Levee Project, City of New Orleans, St. Charles Parish, LA.** *Quality Control (QC).* QC review and ***plan preparation*** for the Magnolia Ridge Levee project for St. Charles Parish.
06/04 – 01/11	**Causeway Boulevard Interchange Improvements Phase I and II, LADOTD, Metairie, LA.** *Roadway Designer.* For the project, which consisted of widening Causeway Boulevard elevated structure at Veterans Boulevard and the construction of new at grade and elevated ramps to provide better accesses, improve safety and ease congestion at this heavily travel interchange. Responsible for evaluating existing girders, the design of new precast concrete girders and the ***roadway plan preparation*** for this project. Also, responsible for evaluating and design of new sewer and water lines for the project as well as coordinating the removal and replacement of all utilities affected by the new roadways or/and structure foundations.

Firm employed by. ARCADIS

Name	David Fulks, PE	Years of relevant experience with this employer	18
Title	Roadway Design Engineer	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		MS / 2019 / Engineering Management, The George Washington University BS / 1997 / Civil Engineering, Portland State University	
Active registration number / state / expiration date		PE.030151 / LA / Exp. 09/2026	
Year registered	2002	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		**Roadway Design**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Fulks has more than **30 years of experience in the design of roadways and pedestrian facilities**, land developments, flood protection systems, and airports. His experience encompasses analysis and design of **geometric design** of highways, streets, sidewalks, restrictive intersections, roundabouts, and interchanges; site hydrology and hydraulics; and traffic impact analysis. His experience has been applied to a range of projects, from **Stage 0 feasibility and safety studies**, to design and construction plan development. His responsibilities have included preparing engineering designs, reports, plans, and specifications preparing and managing project schedules and cost estimates and providing construction administration.
02/15 – 08/17	**Stage 0 Feasibility Study - US 71 Corridor Phase II, LADOTD, Rapides Parish, LA.** *Roadway Engineer.* Provided technical oversight for ***conceptual design*** drawing development as part of the preparation of a ***Stage 0 feasibility study*** for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Completed ***Stage 0 documentation*** including ***Preliminary Scope and Budget and Environmental Checklists***.
12/13 – 06/15	**Stage 0 Feasibility Study - LA 3235, LADOTD, Lafourche Parish, LA..** *Lead Roadway Geometrics and Cost Engineer.* Designed ***geometric layout*** of safety improvements including access management, restrictive intersections, and added turn lanes. Developed ***construction cost estimates*** for proposed improvements to assess ***feasibility of proposed alternatives***.
05/14 – 05/15	**Safety Studies IDIQ - Joe Sevario / Roddy Road Roundabouts, LADOTD, Ascension Parish, LA.** *Task Manager and Lead Roadway Engineer.* ***Geometric and roadway design*** and ***cost estimates*** for the replacement of ten existing stop-controlled intersections with single-lane roundabouts.
07/15 – 06/17	**Safety Design IDIQ - US 190B at Jefferson Ave Roundabout, LADOTD, St. Tammany Parish, LA.** *Roadway Engineer.* ***Geometric and roadway design, preliminary plans preparation,*** and ***cost estimate*** for replacing an existing four-way signalized intersection with a single-lane elliptical roundabout.
11/14 – 10/15	**Safety Studies IDIQ - LA 44 and Loosemore Road Roundabout, LADOTD, Ascension Parish, LA.** *Deputy Project Manager and Lead Roadway Engineer.* ***Geometric and roadway design, preliminary subsurface utility investigation,*** and ***cost estimates*** for the replacement of an existing two-way stop-controlled intersection with either a single-lane roundabout or two single-lane roundabouts and right-in/right-out control at the existing intersection.
09/09 – 03/12	**I-20 Garrett Road Connector Interchange Improvements, LADOTD, Ouachita Parish, LA.** *Lead Engineer.* ***Geometry and roadway design*** of the new KCS Railroad overpass and connector between Kansas Lane and Garrett Road, including interstate interchange modifications to include two-lane roundabouts at ramp intersections, and three two-lane roundabouts along the

	corridor outside of the interchange. Improvements to the pedestrian and bicycle facilities were included in accordance with the LADOTD Complete Streets Policy.
01/14 – Ongoing	**Pete's Highway Interchange Alternative and Environmental Assessment, LADOTD, Livingston Parish, LA.** *Lead Roadway / Bridge Geometrics and Cost Engineer.* High-priority project completing an environmental assessment and traffic engineering services related to improving congestion and operations along Range Avenue in the vicinity of the I-12 interchange. Design alternatives included two split diamond interchange options with roundabout, partial clover leaves, and collector-distributor road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16) and a diverging diamond interchange alternative at Range Avenue. Developed ***roadway geometry, line and grade,*** construction sequencing strategies, and ***construction cost estimate.***
04/13 – 07/14	**US 11 Environmental Assessment, Bridge Replacement, and Roadway Improvements, LADOTD, St. Tammany Parish, LA.** *Lead Roadway Engineer.* ***Geometry and roadway design, line and grade study*** development, and ***cost estimates*** for the replacement of an historic railroad overpass bridge and upgrading an existing two-lane rural highway to a four-lane divided highway with access control. Early coordination with Norfolk Southern Railroad.
08/11 – 09/13	**Chef Menteur Bridge and Approaches Replacement EA and Line and Grade Study, LADOTD, Orleans Parish, LA.** *Lead Roadway/Bridge Geometrics and Cost Engineer.* Responsible for preparing the proposed ***geometric configurations of a bridge replacement at Chef Menteur Pass.*** Investigated four alignments as well as both low-level moveable and high-level fixed span bridge configurations. Performed detailed ***geometric layouts*** of the mainline highway, bridge, and adjacent roadways to ***mitigate impacts to environmentally sensitive resources*** and local residential, commercial, and historical interests.
09/12 – 09/13	**US 165 Connector and Ouachita River Bridge EIS, LADOTD, Ouachita Parish, LA.** *Roadway Design Engineer.* Responsible for preparing ***roadway and bridge general plan designs, line and grade*** report development, and ***cost estimates*** for a new five-mile elevated highway through Chauvin Swamp north of Monroe, LA. An in-town corridor was also developed which entailed upgrading Louisville Avenue and Hudson Lane in Monroe, the Lea Joyner Bridge over the Ouachita River, and Stella Street in West Monroe to function as a one-way couplet. ***Early coordination with Delta Southern Railroad*** was included.
06/00 – 12/00	**Hesper and Helios Avenue Street Rehabilitation, Jefferson Parish Engineering Department, Harvey, LA.** *Roadway Engineer.* Completed inspections and rehabilitation recommendations for eight blocks of local streets. Rehabilitation required demolition and replacement of concrete road panels, milling and overlay of asphalt surfaces, and installation of drainage inlets and subsurface drainage, as well as replacement of damaged and under-performing subsurface drainage. Performed inspections, ***collaborated with Parish representatives and utility companies,*** identified appropriate rehabilitation measures, and ***produced plans*** illustrating the rehabilitation recommendations.
02/09 – 4/10	**US 90 – WBV 73 Western Tie-In Crossing Lake Cataouatche Area, United States Army Corps of Engineers (USACE) – New Orleans District, Jefferson Parish & St. Charles Parish, LA.** *Deputy Project Manager and Lead Roadway / Drainage Engineer.* Development of ***preliminary and final design*** P&S for a 2,540-foot PPC girder / column bent bridge, highway approaches, and frontage roadways.

Firm employed by. ARCADIS			
Name	Jason Morrell, PWS	Years of relevant experience with this employer	9
Title	Senior Environmental Planner / Ecologist	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		BS / 1999 / Agriculture, University of Georgia	
Active registration number / state / expiration date		Professional Wetland Scientist – #2319 / USA / Exp. 04/2028 NHI Course No. 142005, NEPA and Transportation Decision Making	
Year registered	2013	Discipline	Wetland Science
Contract role(s) / brief description of responsibilities		**Public Involvement / Environmental**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Morrell has more than **22 years of experience in environmental planning**, including over 18 years of consulting experience. Prior to joining Arcadis, he served as a NEPA Planner and Ecologist with the Georgia Department of Transportation (GDOT) evaluating environmental effects and **completing permitting and environmental documentation for transportation projects**. His area of expertise includes wetland delineation, biological assessment, and environmental permitting, with a focus on Clean Water Act Section 404 permitting and Section 7 Endangered Species Act (ESA) consultation. He is experienced working with the Federal Highway Administration (FHWA), US Army Corps of Engineers (USACE), US Fish & Wildlife Service (USFWS), and state resource agencies. Since 2011, Mr. Morrell has focused primarily on Transportation Ecology and is an active member of the Transportation Research Board Committee on Environmental Analysis and Ecology.
04/23 – 01/25	**Stage 0 Feasibility Study - LA 22 Tchefuncte River Bridge, LADOTD, St. Tammany Parish, LA.** *Environmental Planner.* Responsible for performing ***desktop and field environmental reviews*** to identify and document environmentaly sensitive areas. Purpose of project is to develop and evaluate feasible alternatives for the replacement of the LA 22 Tchefuncte River Bridge in Madisonville, LA. Environmental reviews were performed to identify any impacts to to the natural resources, historically significant locations, and community. All study methods and results were documented in a ***Stage 0 Feasibility Report*** with ***Preliminary Scope and Budget Checklist*** and ***Environmental Checklist***.
02/23 – 05/24	**Stage 0 Feasibility Study - District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Environmental Planner*. Responsible for performing ***desktop and field environmental reviews*** to identify and document environmentaly sensitive areas. Purpose of study was to develop and evaluate safety countermeasures to address pedestrian safety needs on 7 corridors within Caddo and Bossier Parish. Study data, methods, and results were documnted in a ***Stage 0 Feasibility Reports*** were completed with ***Preliminary Scope and Budget Checklist*** and ***Environmental Checklist***.
04/16 – Ongoing	**Pete's Highway Interchange Alternative and Environmental Assessment, LADOTD, Livingston Parish, LA.** *Ecologist*. Led a ***wetland delineation and protected species habitat assessment*** along Range Road in the vicinity of the I-12 interchange for the proposed interchange improvement project. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, in support of the ***NEPA Environmental Assessment***.
10/15 – 04/18	**North Bayou Black Drive/Hanson Canal Bridge (OSBP) – LADOTD, Terrebonne Parish, LA.** *Ecologist*. Completed a technical review of the **Biological Resources and Wetland Findings Report**, including required exhibits, prepared for replacement of an off-system highway bridge. Findings from the wetland delineation report were used for a USACE Jurisdictional Determination and Section 404 permit application.

07/16 – 03/18	**Bayou Sara Streambank Restoration, West Feliciana Parish Department of Public Works, West Feliciana Parish, LA.** *Ecologist*. Project involved stabilizing the streambank along approximately 3,600 feet along Bayou Sara, where severe erosion is impacting the Town of St. Francisville's Wastewater Treatment Facility, pond levees, and the Parish's only access road (Ferdinand Street) to the Mississippi River. Completed a ***wetland delineation and protected species habitat assessment*** within the area proposed for bank stabilization, as well as adjacent staging and access areas. Provided technical review of a ***Biological Resources and Wetland Findings Report,*** including required exhibits, and NWP 13 PCN, including permit sketches for bank stabilization for which ***USACE authorization was successfully obtained.***
09/19 – Ongoing	**Environmental Support Services IDIQ Contract, GDOT, Statewide, GA.** *Project Manager and Ecology Lead*. Responsible for management of embedded (support services) ecology and ***NEPA*** staff managing environmental studies on behalf of GDOT, including review of consultant documents. Design and develop ecology initiatives for the GDOT Office of Environmental Services (OES) including guidebooks and toolkits to update the ***Environmental Procedures Manual,*** training materials for contractor prequalification, applications to streamline National Marine Fisheries Service Section 7 ESA and Essential Fish Habitat consultations, and other research initiatives.
07/14 – 07/19	**Statewide Ecology Services IDIQ Contract GDOT, Statewide, GA.** *Deputy Project Manager*. Responsible for managing embedded ecologists assigned management of ecology studies, permitting, and biological assessment for GDOT projects. Negotiated a menu of services task order for on-call ***environmental studies*** providing the client the flexibility to complete tasks quickly to meet project delivery schedules. Managed preparation and provided technical review of supporting ***NEPA documentation*** for federally funded ***infrastructure development and improvement projects.*** Developed ecology toolkits, guidance documents, and templates for GDOT use and publication in collaboration with regulatory agencies and GDOT staff. Managed a research project evaluating the effectiveness of migratory bird mitigation measures on transportation projects and providing recommendations to GDOT for best management practices.
12/15 – 11/18	**Reisor Subdivision Bridge Replacements, Union Pacific Railroad, Natchitoches Parish, Louisiana and Caddo Parish, LA/Harrison County, TX.** *Lead Ecologist*. Responsible for ***wetland delineation and protected species habitat assessments*** for replacement of two structurally deficient railroad bridges on the Union Pacific Reisor Subdivision line. Completed ***wetland findings report,*** including required exhibits, and calculated impacts to streams and wetlands for bridge replacements. Coordinated with design for impact avoidance and minimization and provided technical review of a Nationwide Permit (NWP) 14 Pre-Construction Notification (PCN), including permit sketches, submitted to the USACE Fort Worth District for the Caddo Parish, LA/Harrison County, TX bridge.
11/15 – 12/16	**SR 234 at Chickasawhatchee Creek Bridge Replacement GDOT, Calhoun and Dougherty Counties, GA.** *Lead Ecologist*. Responsible for ecology reporting, Section 404 permitting, and Section 7 Endangered Species Act (ESA) consultation for replacement of a load-limited, structurally deficient bridge over Chickasawhatchee Creek 8 miles north of Leary, GA. Prepared a Biological Assessment for the federally listed mussel species and designated critical habitat including development of special provisions to be included in contract documents for species protection. Based on this Biological Assessment, USFWS issued a Biological Opinion concurring with the recommended biological determination to support project ***NEPA documentation.*** Successfully obtained an Individual Section 404 Permit for stream and wetland impacts associated with bridge replacement and roadway approach improvements.

Firm employed by. ARCADIS			
Name	Jan Hughes	Years of relevant experience with this employer	2
Title	Senior Environmental Planner	Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization		BA/ 1984 / Anthropology – Louisiana State University	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Public Involvement / Environmental**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Jan brings **25 years of experience with the LADOTD Environmental Section** overseeing the National Environmental Policy Act (NEPA) process for proposed transportation projects, as well as preparing NEPA, Section 106 of the National Historic Preservation Act, and Section 4(f) of the U.S. DOT Act documentation for FHWA and U.S. Coast Guard. She has taken NHI Course No. 142055, NEPA and Transportation Decision Making. Jan has primary responsibility for authoring NEPA documents, including the Airline Highway Environmental Assessment for FHWA for which a FONSI was issued, and the Oaklawn Bridge Categorical Exclusion Reevaluation approved by FHWA. In addition to the projects listed below, throughout her career Jan has provided oversight for numerous staff and consultant prepared NEPA documents for LADOTD and local entities. She has also coordinated with federal, state, and local agencies on other environmental issues. She has conducted **public involvement activities, including meetings and hearings.** Jan was a project team member in the development of the 2015 Louisiana Historic Bridge Inventory and Section 106 Programmatic Agreement for Treatment of Louisiana Historic Bridges.
02/23 – 05/24	**Stage 0 Feasibility Study - District 04 Pedestrian Safety Improvements, LADOTD, Caddo and Bossier Parish, LA.** *Environmental Planner*. Responsible for performing ***desktop and field environmental reviews*** to identify and document environmentaly sensitive areas. Purpose of study was to develop and evaluate safety countermeasures to address pedestrian safety needs on 7 corridors within Caddo and Bossier Parish. Study data, methods, and results were documnted in a ***Stage 0 Feasibility Reports*** were completed with ***Preliminary Scope and Budget Checklist*** and ***Environmental Checklist.***
04/24-Ongoing	**I-20 Widening Monroe, LADOTD, Ouachita Parish, LA.** *Environmental Planner and Public Meeting Coordinator.* Assisted with required ***wetland studies*** and the development of a Wetlands Finding Report using the latest FHWA criteria. Assisted with the coordination and execution of a public meeting to obtain public and stakeholder input. ***Prepared public meeting report***.
11/22 – Ongoing	**US 11 Norfolk Southern Railroad, Route US 11, Environmental Assessment/FONSI, LADOTD, St. Tammany Parish, LA.** Coordinating with LADOTD regarding the reevaluation of the FONSI.
4/23 – 4/23	**Airline Highway North (Florida Blvd to I-110), Route US 61, City of Baton Rouge and East Baton Rouge Parish, East Baton Rouge Parish, LA.** Assisted with preparation of the ***Stage 0 checklist***.
10/22 – 05/23	**LA 16 (Pete's Highway)/I-12 Interchange, Route LA 16, Environmental Assessment, LADOTD, Livingston Parish, LA.** Coordinated with LADOTD to revise the draft Environmental Assessment to incorporate the rewritten construction phasing section of the document.
10/22 – 05/23	**Rural Bridges Initiative II, Districts 02, 03, 07, 61, and 62, LADOTD.** Reviewed and provided comments on draft ***Programmatic Categorical Exclusion*** documents for multiple projects.

02/94 - 08/98	**Airline Highway (US 61), Florida Boulevard to Just North of Jefferson Hwy., Environmental Assessment/FONSI, LADOTD, East Baton Rouge Parish, LA.** *LADOTD NEPA Lead.* Widening of this approximately 3.5-mile portion of Airline Highway from four lanes to six lanes. Responsible for handling the ***NEPA process*** and primary responsibility for authoring the Environmental Assessment with Programmatic 4(f) Statement for an adjacent park for FHWA for which a FONSI was issued.
01/11 – 05/15	**Bayou Teche Bridge at Oaklawn, Route LA 323, Categorical Exclusion Re-evaluation, LADOTD, St. Mary Parish, LA.** *LADOTD NEPA Lead.* Replacement of this historic, one lane, swing span bridge built in 1942 with a two-lane bridge on existing alignment. Responsible for handling the NEPA process and primary responsibility for authoring the ***NEPA document approved by FHWA***. Also handled the Section 106 Consulting Parties process, preparation of the Section 106 Memorandum of Agreement and Programmatic Section 4(f) Statement for adverse impact to the bridge, and the historic bridge marketing and draft agreement for LADOTD's first ownership transfer of a historic bridge to another entity for alternate use.
03/02 - 03/05	**Huey P. Long Bridge, Route US 90, Environmental Assessment, LADOTD, Jefferson Parish, LA.** *LADOTD NEPA Lead.* Widening of the highway portions of this historic highway/railroad bridge constructed in the 1930s from two 9-foot-wide lanes to three 11-foot-wide lanes. Responsible for oversight of the ***NEPA process*** and consultant preparation of the NEPA document for U.S. Coast Guard. Also handled coordination with the New Orleans Public Belt Railroad and Louisiana State Historic Preservation Officer and preparation of the Section 106 Memorandum of Agreement for the adverse impact to the historic bridge.
01/15 - 02/19*	**Inner Loop Extension (LA 3132), E. Flournoy Lucas Rd (LA 523) to Future I-69 Corridor, Environmental Assessment, LADOTD and City of Shreveport, Caddo Parish, LA.** *LADOTD NEPA Lead.* Extension of the Inner Loop on new alignment as a four-lane control of access facility from LA 523 to Future I-69 with interchanges and upgrades to adjacent roadways. Responsible for oversight of the ***NEPA process*** and consultant preparation of the Environmental Assessment for FHWA.
04/01 - 12/06	**I-49 South, Wax Lake Outlet to Berwick, Route US 90, Environmental Impact Statement/ROD, LADOTD, St. Mary Parish, LA.** *LADOTD NEPA Lead.* Upgrade of this 9.3-mile portion of US 90 to a four-lane facility with frontage roads meeting interstate standards. Responsible for oversight of the ***NEPA process*** and consultant preparation of the NEPA document for FHWA which was approved as a ROD.
04/01 - 10/05	**I-49 South, Lafayette Regional Airport to LA 88, Route US 90, Environmental Impact Statement/ROD, LADOTD, Iberia/Lafayette/St. Martin Parishes, LA.** *LADOTD NEPA Lead.* Upgrade of this 10.8-mile portion of US 90 to a six-lane facility with frontage roads meeting interstate standards. Responsible for oversight of the ***NEPA process*** and consultant preparation of the NEPA document for FHWA which was approved as a ROD.
07/15 - 02/19*	**I-49 South, I-10 to Lafayette Regional Airport, Route US 90/US 167, Supplemental Environmental Impact Statement (SEIS), LADOTD, Lafayette Parish, LA.** *LADOTD NEPA Lead.* Preparation of a SEIS that includes follow-up to commitments made in the 2003 Record of Decision (ROD) for the upgrade of this 5-mile portion of US 90/US 167 in urban Lafayette to a six-lane facility with frontage roads meeting interstate standards. Responsible for oversight of the ***NEPA process*** and the consultant NEPA work, which includes extensive public involvement. Also carried out the SEIS initiation process and re-initiation of the Section 106 process.

*Until retirement from LADOTD in February 2019.

Quality Control / Quality Assurance (QA/QC) and Technical Advisors

Firm employed by. ARCADIS			
Name	Eric Kalivoda, PhD, PE	Years of relevant experience with this employer	2
Title	Principal Transportation Engineer	Years of relevant experience with other employer(s)	38
Degree(s) / Years / Specialization	PhD / 1995 / Doctor of Philosophy, North Carolina State University MS / 1983 / Civil Engineering, University of Arizona BS / 1980 / Civil Engineering, Louisiana State University		
Active registration number / state / expiration date	PE.024603 / LA / Exp. 09/30/2026; Also a licensed Civil Engineer in AZ and NC		
Year registered	1992	Discipline	Civil Engineer, Environmental Engineer
Contract role(s) / brief description of responsibilities	**QA/QC and Technical Advisor (Safety Planning and Policy)**		

Experience dates	Experience and qualifications relevant to the proposed contract
	As a Technical Advisor, Dr. Kalivoda brings **40 years of experience in the transportation industry** through his work in state transportation departments including **detailed technical work, policy setting, program development, guidance and oversight, and administration**. He has worked with a numerous stakeholders including citizens, community groups, business owners, associations, realtors and real estate developers, regulatory agencies, and local, state, and federal elected officials. His technical work was focused on **traffic engineering**, **highway safety**, highway geometric design, and **metropolitan and statewide transportation planning**. He has been instrumental in providing guidance and direction necessary to advance numerous major projects through the **project development process** including, more recently, the I-10 reconstruction and expansion in Baton Rouge, the I-10 Calcasieu River Bridge, the I-10 at Loyola Avenue Interchange in Kenner, the I-49 North Inner City Connector in Shreveport, and a new Mississippi River Bridge south of the Baton Rouge Metropolitan Area.
03/23 – 01/24	**Louisiana Department of Transportation and Development (LADOTD), LA.** *Secretary.* Served on the Governor's cabinet, ***advising on public policy and collaborating with federal, state, and local officials*** to resolve issues and pursue opportunities. Worked with the legislature and industry partners to enact transportation and infrastructure legislation. Provided ***executive leadership for over 4,200 employees*** across six offices and 58 sections, overseeing areas such as Management and Finance, ***Engineering, Operations, Planning***, ***Multimodal Commerce***, Legal, and Innovative Procurement. Direct reports included senior leaders such as the Deputy Secretary, Chief Engineer, and others. Assessment Managed operating and capital budgets and led during emergencies as a member of the Unified Command Group. Focused on key challenges: (1) implementing the Infrastructure Investment and Jobs Act; (2) administering one-time funding for large-scale projects; (3) addressing construction inflation impacts; (4) navigating generational leadership transitions; and (5) preparing for a smooth administrative transition; and (6) ***overseeing the development of the Louisiana VRU Safety Assessment***.
02/10 – 03/23	**Office of the Secretary, LADOTD, LA.** *Deputy Secretary.* As the second highest official of the Department, provided ***strategic leadership for over 4,200 employees*** across six offices and 58 sections, covering areas like Management and Finance, ***Planning, Engineering, Operations, and Multimodal Commerce***. Directly oversaw Compliance Programs (DBE, SBE, Title IV and VII, etc.), Local Public Agency Programs, the internal investigator, and a process re-engineering section for six years. Managed operating and capital budgets and represented the Department on state and national committees. Chaired the Appeals Board to address customer disputes and the Curriculum Council to develop training programs. Key accomplishments include: (1) leading "Operation 57," a comprehensive organizational review; (2) guiding the establishment of the Diversity and Inclusion Initiative; (3) revamping training programs by eliminating outdated courses and addressing internal and external

	issues; (4) creating the Road Transfer Program to shift non-essential highways to local governments; (5) ***overseeing the 2015 update of the Louisiana Statewide Transportation Plan***; (6) forming an Autonomous and Connected Vehicle Technology Team to shape policy and application; (7) advancing major projects through development processes; and (8) designing a new state-funded program for rehabilitating locally-owned roads, pending legislative approval.
02/05 – 02/10	**Office of Planning and Programming, LADOTD, LA.** *Assistant Secretary*. Oversaw three sections responsible for ***statewide and metropolitan transportation planning***, ***highway project programming***, mapping, ***safety policy development***, bridge and pavement management, traffic monitoring, corridor studies, and project conceptualization. Represented the Department on the Louisiana Economic Development Council, ***AASHTO's Standing Committee on Planning***, and the National I-10 Freight Corridor Coalition. Key accomplishments include: (1) leading post-Hurricane Katrina and Rita recovery efforts through funding requests and education on transportation needs; (2) chairing the Transportation Task Force for Louisiana's Recovery Authority; (3) updating the Louisiana Statewide Transportation Plan; (4) establishing the multi-state-funded Institute for Trade and Transportation Studies (ITTS); (5) directing the Freight Transportation Strategic Plan; and (6) advancing efficiency improvements within DOTD.
07/99 – 08/05	**Office of Planning and Programming, LADOTD, LA.** *Deputy Assistant Secretary*. Under the direction of the Assistant Secretary, oversaw the work of four sections engaged in ***statewide and metropolitan transportation planning***, ***highway project programming***, mapping, environmental impact evaluation, ***highway safety policy and program development***, bridge and pavement management system development, highway inventory and traffic monitoring programs, corridor studies, and development of conceptual designs, scopes, and budgets for selected projects. Served as the Department's representative on the Louisiana Economic Development Council and as Vice Chair of the Infrastructure and Transportation Industries Task Force. Also served as Louisiana's technical representative in the precedent-setting National I-10 Freight Corridor Study. Significant accomplishments include: (1) directing the update of the Louisiana Statewide Transportation Plan – completed in 2003; (2) active participation in updating Louisiana: Vision 2020, the State's economic development master plan; (3) ***elevating the status, funding, staffing, and visibility of the Highway Safety Program***; and (4) serving in a major role in formalizing and improving the efficiency and effectiveness of the highway project delivery process.
05/94 – 07/99	**Louisiana Department of Transportation and Development, LA.** *Engineer Manager*. Directed staff engaged in ***statewide transportation planning***, multistate planning efforts, and the development of bridge and pavement management systems. Served in a leadership role on the Infrastructure [and Transportation Industries] Task Force of the Louisiana Economic Development Council. Also served as Louisiana's technical representative in the precedent-setting Latin American Trade and Transportation Study. Significant accomplishments include: (1) organizing and leading a 60-member task force to formalize and improve the ***DOTD Highway Project Selection Process including the capital budget allocation process*** (referred to as the "Budget Partition"); (2) extensive participation in developing the Louisiana Statewide Intermodal Transportation Plan, Louisiana's first multimodal statewide transportation plan; (3) active participation in developing Louisiana: Vision 2020, particularly in the development of infrastructure benchmarks; and (4) serving as Louisiana's representative on a special transportation task force of the Southern Governors' Association.

Firm employed by. ARCADIS			
Name	David Ward, GISP	Years of relevant experience with this employer	23
Title	Senior GIS Project Manager / Analyst	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 1999 / Environmental Studies, Eckerd College	
Active registration number / state / expiration date		GISP 51378 / Exp. 04/25/2027	
Year registered	2005	Discipline	Geographic Information Systems Professional (GISP) – US
Contract role(s) / brief description of responsibilities		QA/QC and Technical Advisor (Data Analysis / Network Screening)	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Ward is a Senior Project Manager with **27 years of experience specializing in Geographic Information Systems (GIS) , database development and administration**, and ArcSDE administration with experience in GIS development, implementation, and integration; database modeling and development; asset and work order management systems integration and development; environmental policy support; **transportation system modeling and analysis including analysis of safety data**; utilities infrastructure modeling; information management; and enterprise information systems design and development. Mr. Ward's technical experience is in the areas of ArcGIS, ArcGIS Server, ArcSDE, SQL Server, and Oracle.
02/20 – 06/24	**Highway Performance Monitoring System (HPMS)& Certified Public Miles (CPM) Reporting using Esri Roads and Highways, LADOTD, Baton Rouge, LA.** *Program Manager.* Provided critical data translation and quality assurance/quality control support for the April and June HPMS reports submitted to the Federal Highway Administration (FHWA). Responsible for translating linear referenced event data from one route network to another, ***validating and cross-checking event data against FHWA HPMS guidelines***, and formatting the submittal files appropriately.
02/20 – 06/24	**Enterprise Systems Integration w/ Esri Roads and Highways, LADOTD, Baton Rouge, LA.** *Program Manager.* Provided Agile project management techniques, ***data analysis***, and systems design consulting in support of LADOTD's mission to integrate enterprise business systems with their Roads and Highways Implementation. MS2, Deighton dTIMS, Agile Assets, and the State's ***crash data systems were integrated with Roads and Highways*** to facilitate data sharing, data management, and federal reporting (HPMS & CPM).
02/20 – Ongoing	**Staff Augmentation for Section 21/Mapping, LADOTD, Baton Rouge, LA** – *Program Manager:* Daily operations manager supporting 25+ remote and embedded team members to operate as an extension of existing LaDOTD staff in performing day-to-day activities for the Department. Supports staff in designing, developing, and implementing business system integrations between GIS and the core linear referencing system and internal business units as well as external vendors. Provides support for annual Highway Performance Monitoring Systems (HPMS) and Certified Public Mileage (CPM) report submittal to the Federal Highways Administration (FHWA). Direct team members in ***developing tools, applications, and web visualizations*** using SAFE Feature Manipulation Engine (FME) workbenches, Esri Experience Builder and Portal, Python scripting, and other ETL methodologies. Supports the monthly invoice and status report submittals and assists team members in executing agile-based story assignments.
01/11 – 12/11	**Arizona Safety Action Plan (ASAP), Arizona Department of Transportation (ADOT), Phoenix, AZ.** *Senior Systems Analyst.* Responsible for the ***development and analysis of statewide crash information*** to support the development of a Safety Action Plan for ADOT to minimize the impact of fatalities and serious injuries throughout the state. Conducted detailed historical

	analysis of crash information to establish trends within the emphasis areas of the SHSP. Performed business process reviews and analysis to reengineer ADOT's workflows and methodologies to better support the State's safety mission.
03/17 – 6/22	**Nevada DOT Enterprise GIS Implementation using Esri R&H, Nevada Department of Transportation (NDOT), Carson City, NV.** *Program Manager.* Responsible for the assessment, design, and implementation of Roads & Highways linear referencing for Nevada Department of Transportation (NDOT). Led efforts for initial discovery and needs assessment that capture current conditions and desires for future functionality and developing a plan for enterprise implementation. Utilized a customized Agile Project Management system to direct team's efforts via user story generation to track task work.
10/18 – 09/20	**Enterprise Implementation of Esri Roads and Highways and Road Log Development, Montana Department of Transportation (MDT), Helena, MT.** *Program Manager.* Leveraging the Agile method to led the team through the ***implementation of an enterprise linear referencing system*** using Esri Roads & Highways. Developed the database schema and model in Oracle & ArcSDE to support the LRS and directed the efforts for data migration and business process workflow development. Responsible for the overall program including the development of a Statewide Road Log (Straight-Line Diagram Reporting).
09/16 – 01/20	**AASHTOware SafetyAnalyst Implementation and Integration, Arizona Department of Transportation (ADOT), Phoenix, AZ.** *Project Manager.* Responsible for ***Integrating SafetyAnalyst with ADOT's Enterprise GIS*** to leverage temporality and changes over time to the road segments and other data values. SafetyAnalyst is also integrating the Safety Data Mart (SDM) and other enterprise databases for the required data values for SA analysis modules. Used an Agile approach to develop and integrate systems to support statewide crash and safety analysis.
04/14 – 08/18	**ESRI Roads and Highways Linear Referencing System (LRS) Implementation, LADOTD, Baton Rouge, LA.** *Program Manager.* Responsible for the assessment, design, build, and implementation of roads and highways LRS for LADOTD. Performed an initial needs assessment, including the understanding of existing conditions and desires for future functionality, and subsequently developed a plan for implementation. Directed the team's daily efforts using an Agile Project Management system, driven by user stories and acceptance criteria to track task work and perform regular quality control. Developed a ***customized data model*** to fit LADOTD'S needs, as well as the implementation of a statewide route network and data migration efforts of events. Led the systems implementation steps using the various tools of roads and highways, including ArcGIS Desktop tools, Workflow Manager, *Data* Reviewer, and Roadway Characteristics Editor (RCE) web application.
01/17 – 12/17	**Deighton dTIMS Pavement and Bridge Management Integration w/ Esri Roads and Highways, Indiana Department of Transportation (InDOT), Indianapolis, IN.** *Project Manager.* Responsible for a feasibility study and implementation plan to integrate the Deighton dTIMS pavement and bridge management programs with InDOT's existing R&H. Provided background and training to Deighton personnel to understand the touchpoints between R&H and dTIMS through ArcGIS Server REST endpoints and the enterprise database. ***Systems development and architecture design to support the development of the next generation of dTIMS software.***
01/16 – 09/16	**HPMS & CPM Reporting FY2015 - FY2016 using Esri Roads and Highways LRS, Arizona Department of Transportation (ADOT), Phoenix, AZ.** *Project Manager.* Responsible for the ***Highway Performance Monitoring System (HPMS) and Certified Public Miles (CPM) federal reporting requirements*** for ADOT FY2015 & FY2016. Oversaw the development and evaluation of sample panel sufficiency, as well as the workflow established to help team members efficiently extract roadway characteristic information from construction plans. Kept the team on track with the federal deadline and made sure the use of external business system datasets, such as traffic and pavement management, were fully integrated with Roads & Highways.

Firm employed by. ARCADIS

Name	Lloyd "Buddy" Porta, Jr., PE	Years of relevant experience with this employer	15
Title	Principal Engineer	Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization		BS / 1973 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date		PE.016425 / LA / Exp. 09/2027	
Year registered	1977	Discipline	Civil Engineering, Environmental Engineering
Contract role(s) / brief description of responsibilities		QA/QC and Technical Advisor (Project Development)	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Porta brings more than **52 years of experience in the transportation field**. During his 37-year career at LADOTD, he practiced highway design for 11 years with 8 of those years in responsible charge of a design squad. He spent the next 21 years of his career in project/program management. He managed the Off-System Bridge Replacement Program and the Urban System Program. Both programs replaced or constructed new bridges on parish and state routes. In 2001 he was tasked with being the LADOTD TIMED Program Manager. This $5 billion program was developed to multi-lane over 500 miles of state highways as well as construct 3 new bridges, 2 of these bridges across the Mississippi River. He spent the last 5 years of his career at LADOTD as the **State Road Design Engineer Administrator.**
11/14 – 10/15	**Safety Studies IDIQ - LA 44 and Loosemore Road Roundabout, LADOTD, Ascension Parish, LA.** *Technical Advisor.* Provided design oversight and technical advisory role for the ***Geometric and roadway design***, preliminary subsurface utility investigation, and cost estimates for the replacement of an existing two-way stop-controlled intersection with either a single-lane roundabout or two single-lane roundabouts and right-in/right-out control at the existing intersection.
12/13 – 06/15	**Safety Studies IDIQ - LA 3235 Corridor Safety Improvements, LADOTD, Lafourche Parish, LA.** *Technical Advisor.* Provided design oversight and technical advisory role for the ***geometric layout*** of safety improvements including access management, restrictive intersections, and added turn lanes. Reviewed construction cost estimates for proposed improvements to assess feasibility of proposed alternatives.
07/15 – 05/19	**Safety Design IDIQ - US 190B at Jefferson Ave. Roundabouts, LADOTD, Covington, Louisiana.** *QA / QC Reviewer.* Supported the construction of a new roundabout in Covington as a quality assurance/quality control reviewer for ***roadway plans***. Plans reviewed included the ***construction of sidewalk*** for use by pedestrians.
09/09 – 03/12	**I-20 Garrett Road Connector Interchange Improvements, LADOTD, Ouachita Parish, LA.** *Technical Advisor.* Provided design oversight and technical advisory role for the Geometry and roadway design of the new KCS Railroad overpass and connector between Kansas Lane and Garrett Road, including interstate interchange modifications to include two-lane roundabouts at ramp intersections, and three two-lane roundabouts outside of the interchange. ***Improvements to the pedestrian and bicycle facilities were included in accordance with the LADOTD Complete Streets Policy.***
04/12 – 01/14	**US 11 Norfolk Southern Railroad Overpass Replacement Environmental Assessment and Line and Grade Study, LADOTD, Slidell, Louisiana.** Responsible for ***LADOTD design guideline compliance***. Replacement and widening of the US 11 roadway overpass of the Norfolk Southern Railroad. The project included evaluating partial and full-access intersection options and bridge alignment and type alternatives for the heavily skewed and long steel span bridge in this urban area of Slidell, Louisiana. Key issues included the bridge's imminent historic status, commercial parking impacts and adapting to the Norfolk Southern right-of-way and travel pattern changes following the construction.

01/14 – Ongoing	**Pete's Highway EA and Alternatives, LADOTD, Livingston Parish, Louisiana.** Responsible for QAQC of roadway plans, line and grade, and ***LADOTD design guideline and Complete Streets compliance***. High-priority project completing an EA and traffic engineering services related to improving congestion and operations along Range Avenue in the vicinity of the I-12. Alternatives included two split diamond interchange options with roundabout, partial clover leafs, and c-d road components at both Range Avenue and the next existing, eastern overpass at Pete's Highway (LA 16); and a diverging diamond interchange alternative at Range Avenue.
10/16 – 02/18	**North Bayou Black Drive Bridge Off-System Highway Bridge Replacement Program, LADOTD, Terrebonne Parish, Louisiana.** Reviewed plans for the replacement of an off-system highway bridge. Detailed designed effort included field surveying, right of way adjustments, crash barrier selection, hydraulic analysis, ***preliminary and final plan preparation*** and ***cost estimates***.
09/12 – 12/15	**US 165 Connector and Ouachita River Bridge - Environmental Impact Statement, Line and Grade and Toll Study, LADOTD, Monroe, Louisiana.** Responsible for QAQC of roadway plans, line and grade, and ***LADOTD design guideline compliance***. Three alternatives were developed and evaluated along with various tolling scenarios. All alternatives traverse substantial tracts of wooded wetlands associated with Chauvin Swamp near the Russell Sage Wildlife Management Area.
04/12 – 01/14	**LA 434 Corridor Stage 1 Environmental Assessment, New Orleans Regional Planning Commission, Lacombe, Louisiana.** Responsible for ***LADOTD design guideline compliance***. EA for the widening and improvements of LA 434 between LA 36 and the anticipated new junction with LA 3241 near LaCombe, Louisiana in St. Tammany Parish.
10/90 – 10/01 10/05 – 10/10	**Urban System Program MPOs & Urbanized Areas, Statewide, Louisiana.** Responsible for the selection of the consultants, coordinating with the Metropolitan Planning Officials (MPOs) and the cities/parishes officials, ***coordinating with the LADOTD Planning Section***, developing the scope of services and fee for the projects, ***reviewing the construction plans*** and providing comments to the consultants and cities / parishes, and approving all invoices. Was responsible for developing the Urban Systems Program Seminar, which provided information on the processes and procedures used in the program. He served as project manager for signal projects in St. Bernard and Orleans Parishes.
09/01 – 05/06	**Transportation Infrastructure Model for Economic Development (TIMED) Program, LADOTD, Statewide, Louisiana.** *LADOTD TIMED Program Manager.* Worked and coordinated on a daily basis with the TIMED Program Manager (LTM) to ***develop training, procedures, policies, and guidelines for the program***. This $5 billion program was developed to multilane over 500 miles of state highways as well as construct three new bridges; two of these bridges across the Mississippi River. The program manager was required to monitor the progress of the program and had full invoice approval of the consultant's monthly invoice. This position was a member of the TIMED Program Executive Committee and reported to the Secretary of the LADOTD. There were 16 projects that were recognized throughout the state. Bonds were sold to finance and, therefore, accelerate the program. ***Over 500 miles of state roadways were multilaned and three new bridge projects were designed***.
05/06 – 07/10	**Road Design Engineer Administrator, LADOTD, Statewide, Louisiana.** Responsible for transitioning the focus of his section from project management back to roadway design as desired by the Chief Engineer. To support this mandate, brought in training from the FHWA Resource Center in Atlanta, GA to assist the development of a young group. Coordinated the training and provided through the Louisiana Transportation Training Education Center. Developed a Legal Seminar to address the lack of experience in Road Design and other LADOTD sections in depositions and representing the Department in court with the assistance of the Attorney General's Office. Responsible for the ***development of design criteria*** for Offset Left Turn Lanes and ***design guidelines*** for the replacement of bridges on state routes.

Firm employed by. ARCADIS			Meets MPR No. 2
Name	Jaap Tigelaar	Years of relevant experience with this employer	15
Title	Principal Transportation Planner	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization		MS / 2007 / System Engineering and Policy Analysis, Transportation & Logistics, Delft University of Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		QA/QC and Technical Advisor (International VRU Advisory / Best Practices)	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Tigelaar has **29 years of experience as a Transportation Planner**. He started his career in the Netherlands but transferred to the US in February 2019. Since bikes and pedestrians always play an important role in Dutch projects, he has extensive experience with safe and convenient alternatives for mixed-use corridors. At the 2020 Georgia Walk Summit, Jaap presented on the "bicycle street" (in Dutch, fietsstraat). This is a typical Dutch solution for a mixed-use road, optimized for bikes, where cars are considered "guests." Jaap has experience working on **Complete Streets projects**, **traffic safety projects**, corridor studies, and **planning studies**.
10/19 – 10/22	**Dekalb Avenue Safety Improvement Complete Street Project, Atlanta Department of Transportation, Atlanta, GA.** *Principal Transportation Planner*. The purpose of this project was to ***improve multimodal access, mobility, operations, and safety*** along Decatur St/Dekalb Ave between residences, businesses, and Marta Transit Rail Line. The project included improvements for all users - pedestrians, bicyclists, transit, and vehicles. A short-term scope included a ***bike path and Improving the bike and pedestrian crossings*** along a Dekalb Avenue between the intersections with Oakdale and Hurt Street. In Vissim and Synchro, the impact of the short-term solution and the conflict between vehicles and bikes was investigated. For the long-term, bike facilities along the entire corridor were upgraded.
02/19 – 07/21	**Sun Trust Park, Cobb County Police Department and DOT, Cobb County, GA.** *Principal Transportation Planner*. The scope of this project was to update the Special Event Traffic Management Plan for the Cumberland Area including Sun Trust Park in Cobb County. This included the analysis and recommendations on managing the intersections, roadway, car parking, bus parking, Mobility on Demand (Uber driver drop-off and pick-up), and ***pedestrian operations***, to ensure safe and efficient gameday operations for attendees and the travelling public.
02/22 – Ongoing	**CHCNGA TPO 2050, Chattanooga-Hamilton County/North Georgia Transportation Planning Organization, TN+GA.** *Project Manager.* Supporting the development of the 2050 Regional Transportation Plan (RTP). The 2050 RTP will identify transportation needs, opportunities, and investment priorities for the TPO region. The scope of this project includes a ***road safety audit***, to identify potential safety challenges along major facilities and identify counter measures for corridors and intersections with safety concerns. Supported the development of a smart corridor network, ripe for future technology improvements. Special attention went to analyzing potential signal upgrades to ***incorporate smart corridors for public transport, bicyclists, and pedestrians to Improve bike and pedestrian crossings and provide better Transit Management***. Road Weather Management was suggested as smart corridor upgrade for bicyclists. This is a technique implemented in the Netherlands, where bicyclist gets priority at signals when it is raining.

09/09 – 10/19	**Development Station Area Driebergen-Zeist, Dutch Railroad Authority, Netherlands.** *Principal Transportation Planner*. The station of Driebergen-Zeist is a transport hub where several transport modalities meet in one place, including trains, motor vehicles, ***bikes, and pedestrians***. Created a completely new design of the rail tracks and rail overpass, train station, and road structure. Conducted a complete analysis of all the converging traffic in the station complex and immediate area, ***modelling and optimizing the interaction of various transport mechanisms*** safely and without impacting the environment too much. This included Traffic Signal Coordination for all signals in the study area, to prevent congestion under the overpass or spill back at the bike crossings, and Transit Management with signal preemption for busses to minimize delays at the signals. Because of the high bike and ped volumes near the train station, special attention went into the crossings. Bike and ped crossings were improved with special colors and on plateaus for better recognition and at locations with signals, signal timing was optimized to reduce waiting times for bikes. For through bikes a separate ***bi-directional bike path*** was created. Since the bike storage was created under the train tracks, a s***pecial bike path was designed leading into it to minimize travel times for multi modal travelers***. During the construction, Arcadis did the Work Zone Management. This included coordination with constructor and road authorities, reviewing the work zone plans, (temporary) signal plans and verify the actual work zone to check the traffic safety for all modalities.
02/18 – 12/18	**Bicycle Storage Koningin Julianaplein, City of The Hague, Netherlands.** *Principal Transportation Planner*. The purpose of this study was to develop the preferred alternative for a safe and optimal layout of Koning Julianaplein (Queen Juliana Square) at Bezuidenhoutse Road in The Haque (Netherlands). The ***improved bike and pedestrian crossing*** was located next to a new bicycle storage for 8,000 bikes near the Central Train Station in The Hague that would provide a significant higher bike volume at the Koningin Julianaplein. To ***analyze the conflict of cars, trams, pedestrians, and bicycles***, Jaap and his team analyzed the existing and future intersection alternatives in a Vissim model, including vehicle actuated traffic signals with Transit Management (pre-emption for trams). The City of The Hague implemented the preferred alternative.

VRU Data Collection

Firm employed by. STS Southern Traffic Services | REKOR

Name	Joe Poole	Years of relevant experience with this employer	18
Title	Principal Engineer	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		BS / 1984 / Civil Engineering / Auburn University	
Active registration number / state / expiration date		PE.0031067 Louisiana 3/31/2026	
Year registered	2004	Discipline	Civil
Contract role(s) / brief description of responsibilities		**VRU Data Collection**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Poole is **responsible for the management of the Traffic Engineering section of STS**. Duties include traffic forcasting, transportation concurrency studies, traffic signal design, development and implementation of ITS projects, traffic engineering studies, traffic signal warrant studies, access management, traffic signal systems timings, data collection and QA/QC of collected data.
09/24 – 12/24	**LA 494: LA 6 to Blanchard Rd, LADOTD/ Arcadis, Natchitoches Parish, Louisiana.** *Principal Engineer*. Provided technical assistance for traffic data collection and analysis, leveraging advanced management software to coordinate and schedule all activities. The team deployed specialized equipment for ***traffic classification counts, approach counts, and Bike/Pedestrian assessments***. Processed data was compiled into detailed reports, with ***rigorous quality assurance procedures*** ensuring accuracy and reliability of final deliverables.
09/25 – 10/25	**SR 3 Corridor Bike-Ped Study, Florida Department of Transportation, Meritt Island, Florida.** *Principal Engineer.* The project was systematically entered into management software, facilitating organized planning and scheduling for all data collection activities. ***Detailed coordination enabled the strategic deployment of cameras***, which captured comprehensive video data along a 1,900' segment of SR 50. This approach ensured both ***efficiency and consistency in the collection process***, supporting accurate downstream analysis.
09/25 – 10/25	**SR 50 Corridor Bike-Ped Study, Florida Department of Transportation, Clermont, Florida.** *Principal Engineer*. Provided technical assistance and oversight for all phases of the project, utilizing management software to coordinate and schedule data collection activities. The team executed ***detailed video-based pedestrian analysis, compiled robust documentation, and ensured that each deliverable met high standards through rigorous quality assurance processes***.
01/99 – Ongoing	**2022 Volume and Classification Counts Statewide, Mississippi Department of Transportation, Statewide, MS.** *Principal Engineer. **Collecting traffic data on contract with MDOT for over 20 years***. STS collects approximately 1300 Vehicle Classification Counts; 500 Volume Counts and 250 Turning Movement Counts across the state each year. STS also completes Permanent Weigh-in-Motion Calibrations and Portable Weigh-in-Motion data collection when requested.
01/12 – Ongoing	**Civil, Construction and Environmental Engineering – Alabama Traffic Data Collection and Analysis, The University of Alabama Department of Civil, Tuscaloosa, AL.** *Principal Engineer.* Member of the ***data collection team*** (when necessary) that ***collects 48-hour Volume and Classification data***. STS will collect approximately 1000 Classification Counts and 2250 Volume Counts under this contract.

Firm employed by. STS Southern Traffic Services REKOR			
Name	Brandi Smith	Years of relevant experience with this employer	26
Title	Data Collection Program Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		High School Diploma	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Data Collection**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mrs. Smith has **more than 26 years of extensive experience in processing, formalizing, and analyzing data**. Mrs. Smith possesses a proven track record of efficiently overseeing and executing substantial data collection contracts for more than 22 years. Mrs. Smith will oversee all data collection and data processing activities – ensuring all deliverables are of the highest quality and are submitted prior to the deadline. Brandi has managed large data collection contracts for Mississippi DOT and Florida DOT. Responsible for scheduling all field collection/data processing activities, performing QA/QC for all reports, and submitting all deliverables on schedule.
03/18 – 03/27	**Districtwide Transportation Statistics Contract, Florida Department of Transportation, District I, FL.** Mrs. Smith serves as the Task Manager and is ***responsible for scheduling data collection, supervising the processing of data, ensuring its quality, and submitting it to the Department***. Approximately 800 classification studies and 500 average daily traffic counts are conducted by STS every year. Additionally, inspections of the district's permanent traffic monitoring sites, speed studies, turning movement counts, and pedestrian/bicycle studies are carried out as required.
02/23 – 02/25	**Districtwide Traffic Counts and Projections, Florida Department of Transportation, District III, FL.** *Project Manager.* ***Responsible for coordinating data collection, overseeing data processing, verifying quality standards, and submitting all information*** to the Florida Department of Transportation.
01/11 – 01/21	**Districtwide Statistics Program for Traffic Counts, Florida Department of Transportation, District VII, FL.** *Project Manager.* ***Responsible for coordinating data collection, overseeing data processing, confirming quality standards, and submitting all information*** to the Florida Department of Transportation. The data collection involved various studies including 48-hour classification studies, average daily traffic counts, inspections of permanent traffic monitoring sites in the district, and assessments of turning movements and pedestrian/bicycle activities conducted by STS.
01/12 – 01/26	**Alabama Highway Performance Monitoring System Data Analytics, University of Alabama, Tuscaloosa, AL.** *Traffic Engineer.* ***Responsible for supervising data processing and formatting*** required by the FHWA. In this capacity, the project collects an average of 4200 counts per year, encompassing volume and classification data.
01/99 – Ongoing	**2022 Volume and Classification Counts Statewide 2022 Volume and Classification Counts Statewide, Mississippi Department of Transportation, Statewide, MS.** *Project Manager*. managing this project for over 15 years. ***Responsible for overseeing scheduling, data processing, and formatting***. STS collects approximately 1300 Vehicle Classification Counts, 500 Volume Counts, and 250 Turning Movement Counts across the state each year.

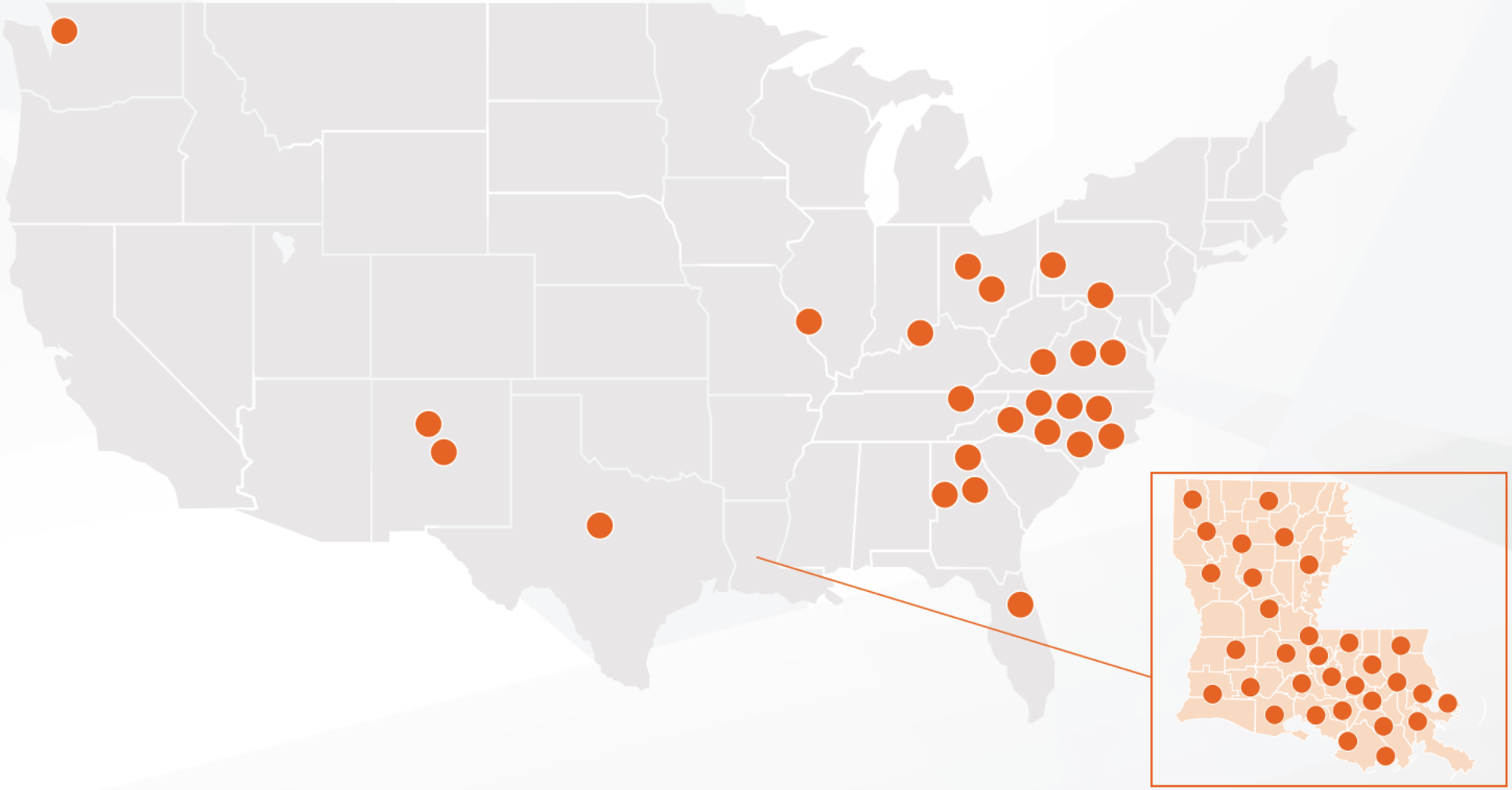
Firm employed by.			
Name	Charles Williams	Years of relevant experience with this employer	23
Title	Sr. Traffic Data Collection Technician	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		AAS / Electronic Technology, Virginia College	
Active registration number / state / expiration date		OSHA 10 Certification	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		**Data Collection**	

Experience dates	Experience and qualifications relevant to the proposed contract
	Mr. Williams has **more than 20 years' experience of collecting data of all types**. He performs **all types of traffic studies** primarily in Louisiana, Mississippi, Alabama, and Tennessee. Deploy event recorders for tube counts and cameras for turning movement or pedestrian/bike counts weekly. Mr Williams is currently collecting data on our data collection contract with the Mississippi Department of Transportation and the University of Alabama. He has **extensive experience with all types of data collection and is qualified to troubleshoot and repair our data collection systems**.
09/24 - 12/24	**LA 494: LA 6 to Blanchard Rd, LADOTD/ Arcadis, Natchitoches Parish, Louisiana.** *Senior Technician*. ***Provided technical assistance for traffic data collection and analysis, leveraging advanced management software to coordinate and schedule all activities***. The team deployed specialized equipment for traffic classification counts, approach counts, and Bike/Pedestrian assessments. Processed data was compiled into detailed reports, with rigorous quality assurance procedures ensuring accuracy and reliability of final deliverables.
01/99 – Ongoing	**2022 Volume and Classification Counts Statewide, Mississippi Department of Transportation, Statewide, MS.** *Senior Technician. Project Manager.* ***Collecting traffic data on contract with MDOT for over 20 years***. STS collects approximately 1300 Vehicle Classification Counts; 500 Volume Counts and 250 Turning Movement Counts across the state each year. STS also completes Permanent Weigh-in-Motion Calibrations and Portable Weigh-in-Motion data collection when requested.
01/12 – 01/26	**Civil, Construction and Environmental Engineering – Alabama Traffic Data Collection and Analysis, The University of Alabama Department of Civil, Tuscaloosa, AL.** *Senior Technician.* Member of the ***data collection team*** (when necessary) that collects ***48-hour Volume and Classification data***. STS will collect approximately 1000 Classification Counts and 2250 Volume Counts under this contract.

SECTION

17

The Arcadis Team has completed over 50 Safety Feasibility and Limited Engineering Studies across the country, including over 30 studies in Louisiana.



17 FIRM EXPERIENCE:

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	Baton Rouge Pedestrian and Bicycle Master Plan, Safety Action Plan, and Road Safety Assessments	Firm responsibility (prime or sub?)	Prime
Project number	H.013029.1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	East Baton Rouge Parish, LA	Owner's Project Manager	Jessica DeVille
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1844, jessica.deville@la.gov		
Services commenced by this firm (mm/yy)	03/18	Total consultant contract cost ($1,000's)	$438
Services completed by this firm (mm/yy)	06/21	Cost of consultant services provided by this firm ($1,000's)	$550

Firm's Role: Arcadis provided technical assistance for coordinated pedestrian and bicycle initiatives for Baton Rouge at the City and Parish levels. Our team delivered comprehensive safety data analytics, vulnerable road user assessment, and network screening. We developed the Pedestrian and Bicycle Master Plan and Safety Action Plan, recommended ***targeted safety countermeasures, and conducted field reviews and road safety assessments*** to ensure compliance with national, state, and local standards. Arcadis also led public and stakeholder outreach, partnering with local agencies to advance plan development and support implementation.

Firm Members Involved: Akhil Chauhan, Ari Deitch, Max Aguirre

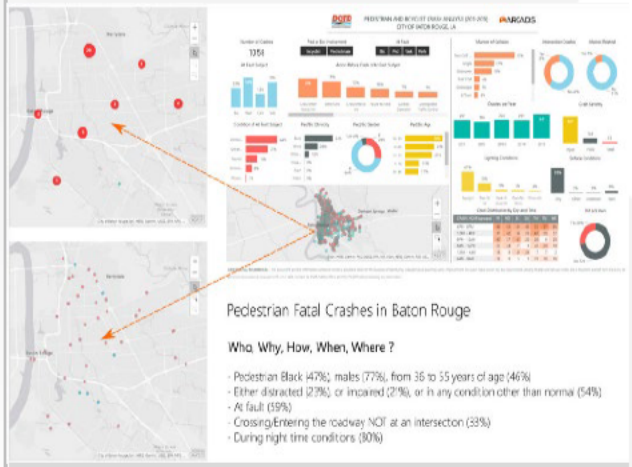


Figure: Dashboard of identified safety priority areas

Safety Data Analysis: Analyzed crash data, roadway geometry, and city-specific factors to identify and map pedestrian and bicyclist safety hot spots. Utilized safety data analysis and ***network screening techniques*** to reveal crash trends and inform subsequent phases.

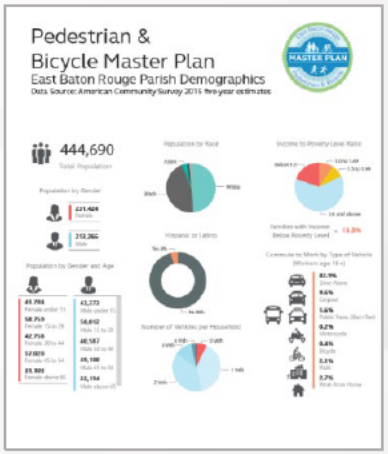
Road Safety Assessments: Conducted field reviews and ***road safety assessments at high-priority locations***. Performed technical reviews for projects with bicycle and pedestrian components, ensuring compliance with national, state, and local standards and best practices. Developed actionable solutions and supported implementation with clear documentation.

Stakeholder Engagement & Master Plan Development: Executed ***comprehensive public and stakeholder outreach***, including technical advisory and steering committee facilitation, surveys, and online mapping. Gathered and incorporated stakeholder feedback to refine project recommendations and align with community needs. Led plan development using a ***data-driven and collaborative approach*** and developed strategies to overcome implementation barriers and accelerate project delivery.

Pedestrian and Bicycle Action Plan: Developed the Pedestrian and Bicycle Safety Action Plan through in-depth ***vulnerable road user assessment*** and safety analyses. Identified safety issues and prioritized locations for improvement using alternatives matrices/analyses and conceptual layouts. Provided ***countermeasure recommendations***, cost estimates, and quantified safety benefits based on best practices.

Relevant Services

- Safety Data Analysis/Network Screening
- VRU Data Collection and Analysis
- Stage 0 Feasibility Studies
- Ped/Bike Improvements
- Safety Countermeasures
- Road Safety Assessments
- Limited Engineering Studies
- Public & Stakeholder Outreach
- Field & technical Reviews
- Action Plan/Strategy Development
- Master Plan



Firm name	HDR	Past Performance Evaluation Discipline(s)*	Traffic, Planning
Project name	Vulnerable Road User (VRU) Safety Assessment	Firm responsibility (prime or sub?)	Prime
Project number	State/F.A.P. No. H.972419.1	Owner's name	Louisiana Department of Transportation and Development (LaDOTD)
Project location	Statewide, LA	Owner's Project Manager	Jessica DeVille
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802, (225) 379-1844, jessica.deville@la.gov@LA.GOV		
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost ($1,000's)	$250
Services completed by this firm (mm/yy)	04/25	Cost of consultant services provided by this firm ($1,000's)	$253

Firm's Role: HDR provided technical assistance to LADOTD through the Strategic Highway Safety Plan (SHSP) Development and Planning contract, leading the Vulnerable Road User (VRU) Safety Assessment. The team conducted ***data-driven analyses*** of crash and demographic trends, identified ***Target Analysis Areas***, and developed ***priority maps*** to guide statewide safety improvements. HDR also facilitated ***stakeholder outreach*** and presented actionable ***countermeasure recommendations*** to support implementation of effective ***pedestrian and bicycle safety*** strategies.

Firm members involved: Dan Cook

Relevant Services

- VRU Safety Assessment
- Crash Data Analysis/Network Screening
- Target Area Identification
- Countermeasure Recomendations
- Stakeholder Outreach

SHSP & VRU Assessment: As part of the 5-year Strategic Highway Safety Plan (SHSP) Development and Planning IDIQ contract, HDR completed the ***Vulnerable Road User (VRU) Safety Assessment*** (TO2). HDR evaluated the state's safety performance for ***pedestrians and cyclists***, analyzing crash and demographic trends related to fatalities and serious injuries. Using a systemic, data-driven approach, HDR assisted LADOTD in identifying target areas for safety improvements.

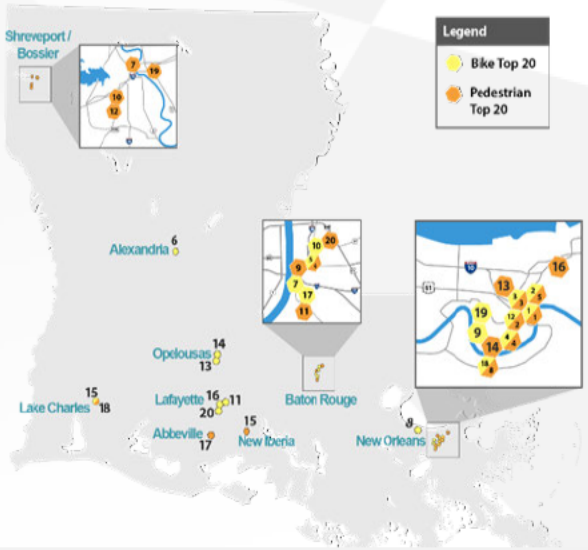


Figure: Map identifying locations for targeted pedestrian and bicycle safety improvements

Prioritization & Data Analysis: To prioritize areas with excess expected crash frequencies and identify Target Analysis Areas, HDR ranked 864 polygons by ***pedestrian and bicycle crash frequency***. The polygons with the highest excess expected average crash frequency were identified as having the greatest potential for ***effective safety improvements***. For the VRU report, HDR highlighted and discussed the top 20 pedestrian and top 20 bicycle polygons, resulting in 32 unique Target Analysis Areas.

Improvement Strategies & Stakeholder Outreach: HDR developed a quantitative process to focus ***implementation projects*** within these areas, aimed at ***reducing pedestrian and bicycle crash frequency and severity***. The process included assigning priority scores to roadways statewide. HDR and LADOTD facilitated a joint ***webinar for statewide stakeholders*** to demonstrate the use of priority maps and to summarize the consultation process with targeted communities. The VRU safety assessment presents potential strategies such as infrastructure countermeasures, ***education and outreach***, and new programs or policies.

Firm name	vhb	Past Performance Evaluation Discipline(s)*	Traffic, Planning
Project name	FHWA Office of Safety Technical Support	Firm responsibility (prime or sub?)	Prime
Project number	Multiple VHB Project Numbers	Owner's name	FHWA Office of Safety
Project location	Nationwide	Owner's Project Manager	Myla Wyatt
Owner's address, phone, email	FHWA Office of Acquisition Services (HCFA-32), 1200 New Jersey Avenue, SE, Washington, DC 20590 (202) 366-4247, myla.wyatt@dot.gov		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)	$19,102
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$15,813

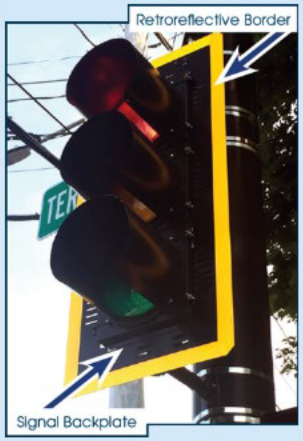
Firm's Role: VHB is the prime contractor for this multimillion-dollar project with the FHWA Office of Safety (HSA), receiving its fifth successive IDIQ award in 2020. We provide ***technical and programmatic services*** on a task order basis, supporting the Office of Safety, its partners, and customers. VHB and our subcontractors ***deliver technical support*** to HSA in pursuit of reducing the number and severity of crashes on the Nation's roadways.

Firm Members Involved: Samantha Arnold, Shakir Mahmud, Taylor Bonner, Rick Plenge, Gregory Bakos, Elissa Goughnour, Michael Dunn, Heather Gade

Safety Benefits:

15%

reduction in total crashes.[1]



Signal backplate framed with a retroreflective border.

Source: FHWA

<u>Capacity Building, Training, & Outreach</u>: VHB provides targeted support to the Office of Safety Programs and Office of Safety Technologies in three main areas: 1.) Technical Support and Assistance, 2.) ***Professional Capacity Building, Development, and Training***, and 3.) Industry/Public Outreach and Feedback. Their work ensures FHWA receives essential technical resources to advance its ***safety priorities and mission***.

<u>Key Task Orders 7 Safety Initiatives</u>:

- Selecting Projects & Strategies to ***Meet Safety Performance Targets***
- Crash Modification Factors Clearinghouse
- Technical Support for Intersection Safety Program Priorities
- Speed Management Program Technical Support
- Data-Driven Safety Analysis
- ***Complete Streets*** Initiative Technical Support
- Proven Safety Countermeasures Initiative
- Strategic Highway Safety Plans (SHSP) Vision Zero Report
- ***Technical Assistance and Training*** on Intersection Safety
- On Call Support for Pedestrian and Bike Safety Program
- Manual of Safety Studies
- Local and Rural Road Technical Assistance

These initiatives reflect VHB's commitment to ***technical assistance, safety planning, training, outreach***, and advancing the systemic approach to roadway safety.

Relevant Services

- Pedestrian and Bicyclist Safety
- Highway Safety Improvement Program
- Strategic Highway Safety Plans
- Safe System Approach
- Spot and Systemic Safety Methods
- Data Driven Safety Analysis
- Complete Streets
- Speed Management
- Statistical Analysis Methods
- Safety Effectiveness Evaluation
- Interactive Data Dashboards
- Literature Review/Best Practices
- Training and Technical Assistance
- Stakeholder/Agency Coordination
- Program Management
- Safety Countermeasure Selection
- Analysis Method and Tool Development

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Traffic, Planning
Project name	Louisiana Strategic Highway Safety Plan Update and Data Analysis	Firm responsibility (prime or sub?)	Sub
Project number	H.972419.1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Statewide, LA	Owner's Project Manager	Autumn Goodfellow-Thompson
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, autumn.goodfellow-thompson@la.gov		
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost ($1,000's)	$500
Services completed by this firm (mm/yy)	06/22	Cost of consultant services provided by this firm ($1,000's)	$130

Firms Role: Responsible for all ***safety data analysis*** tasks for the Louisiana Strategic Highway Safety Plan Update.

Firm Members Involved: Akhil Chauhan, Ari Deitch, Justin Maderia

Relevant Services

- Crash Data Review and Analysis
- Statistical Analysis Methods
- Safety Effectiveness Evaluation
- Interactive Data Dashboards
- Literature Review / Best Practices
- Strategic Highway Safety Plan
- Stakeholder / Agency Coordination

Fatalities + Serious Injuries

Person Count	EAs	EAs %
10,711	10,490	97.9%

Emphasis Areas	PersonCount	CF%
Lane Departure	5,963	55.7%
Intersection	3,359	31.4%
Roadway Departure New	3,273	30.6%
Distracted or Inattentive New	3,161	29.5%
Young Driver	2,941	27.5%
Drug Involved	2,737	25.6%
Alcohol Related New	2,681	25.0%
No Restraint	2,482	23.2%
Older Driver	1,637	15.3%
Pedestrian	1,523	14.2%
Motorcycle	1,201	11.2%
CMV	1,008	9.4%
Lane Departure/Head-On	812	7.6%
Pedalcycle	372	3.5%
Off-Road Vehicle	171	1.6%
Work Zone	99	0.9%
Train	39	0.4%
Total	**10,490**	**97.9%**

Figure: Power BI Dashboard Showing Emphasis Area Analysis Results

Crash Data Review and Data Definitions: Arcadis obtained and analyzed 10 years of crash data (2011-2020) from the Center for Analytics Research and Transportation Safety (CARTS). Arcadis performed a preliminary analysis to verify that crash data is suitable for emphasis areas (EAs) analysis. Arcadis ***coordinated closely with LADOTD, CARTS, and project stakeholders*** to develop a crash data definitions memorandum to document the definitions that will be used in the SHSP update.

Existing Emphasis Areas Analysis: Arcadis conducted traditional ***statistical crash analysis*** to evaluate trends within the existing emphasis areas and determined the effectiveness of safety improvement strategies. Results were presented in ***interactive dashboards developed using Microsoft Power BI***. Several project meetings were conducted with LADOTD and project stakeholders to review results and discuss potential alternatives to EAs and analysis methodologies.

Alternative Emphasis Areas Analysis: Arcadis performed a literature ***review of best practices and SHSPs*** that have been developed for other states to identify a range of potential EAs analysis alternatives. Arcadis is currently performing preliminary analysis of EAs alternatives and reviewing results alongside project stakeholders to determine if alternative methodologies should be incorporated in the SHSP update. ***Correlation Cluster Analysis*** was performed to determine the interdependency of emphasis areas and contributing factors.

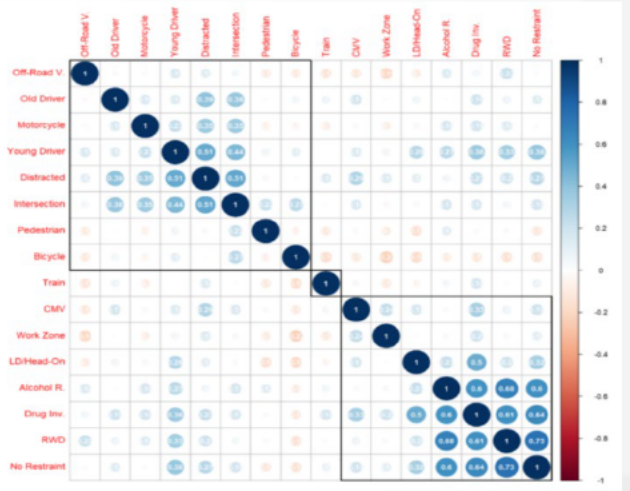


Figure: Correlation Cluster Analysis of Contributing Factors for Fatal and Serious Injury Crashes

Firm name	HDR	Past Performance Evaluation Discipline(s)*	Traffic, Planning
Project name	MnDOT Active Transportation Planning Assistance Program	Firm responsibility (prime or sub?)	Sub
Project number(s)	1048993, 1058219	Owner's name	Minnesota Department of Transportation (MnDOT)
Project location	Statewide, MN	Owner's Project Manager	Will Wlizlo
Owner's address, phone, email	Office of Transit & Active Transportation, 612-590-8364, William.wlizlo@state.mn.us		
Services commenced by this firm (mm/yy)	08/2022	Total consultant contract(s) cost ($1,000's)	$924
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$565

Firm's Role: HDR provided technical assistance to MnDOT, leading the development of active transportation action plans and supporting planning, concept development, and ***public engagement for communities statewide***. Our team facilitated audits, mapping workshops, and delivered actionable recommendations to enhance active transportation networks.

Firm members involved: Mindy Moore

Relevant Services

- Active Transportation Planning
- Concept Development
- Public Engagement & Outreach
- Recommendations for Implementation
- Field & Workshop Audits
- Action Plan Development
- Preliminary Design
- Cost Estimating

Vision & Program Overview: MnDOT's MnDOT's Active Transportation Program envisions a future where all Minnesotans have access to safe and convenient ***active transportation*** in the places they live, work, and play. To advance this vision, MnDOT offers an assistance program for cities and counties to apply for support with active transportation planning, ***concept development***, demonstration projects, and ***community education and engagement***.

Action Plan Development: In the initial year of MnDOT's Active Transportation Planning Assistance Program, HDR assisted or led the development of ***Action Plans for 13 Minnesota communities***. In the second year, HDR led the development of action plans for six additional communities and provided support for several others. HDR is contracted as a subconsultant for a second round with MnDOT to lead four more active transportation action plans, along with technical assistance such as ***preliminary design development and cost estimating*** for up to 20 communities.

Figure: Community members and project partners participate in a field audit to assess and improve local pedestrian and bicycle infrastructure

Figure: Students and stakeholders observe a school area to identify safety improvements for pedestrians and cyclists

Leadership & Community Engagement: As planning leads, HDR manages analyses, ***guides public engagement efforts***, facilitates ***walking and biking audits***, leads ***mapping workshops***, and synthesizes the planning effort into concrete steps for communities to improve active transportation.

Firm name	vhb	Past Performance Evaluation Discipline(s)*	Traffic, Planning
Project name	Rural Statewide Active Transportation Plan Services	Firm responsibility (prime or sub?)	Prime
Project number	R064499 (VHB Project #)	Owner's name	Georgia Department of Transportation (GDOT)
Project location	Statewide Georgia	Owner's Project Manager	Sam Harris
Owner's address, phone, email	600 West Peachtree Street, NW, Atlanta, GA 30308 | 404.635.2881| SHarris@dot.ga.gov		
Services commenced by this firm (mm/yy)	03/23	Total consultant contract cost ($1,000's)	$2,200
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$1,100

Firm's Role: VHB is leading active transportation planning and engineering services for Georgia's Rural Statewide Active Transportation Plan under an IDIQ contract with GDOT. The team applies ***national best practices, data-informed analytics, and robust stakeholder engagement*** to identify and advance safety, connectivity, and comfort for vulnerable road users in rural communities. VHB develops actionable strategies, policies, and programs through targeted analyses, design guidance, and ongoing support for plan implementation and communications.

Firm Members Involved: Chris Rome

Active Transportation Planning: VHB is currently leading this first-of-its-kind planning effort is based on national best practices, ***data-informed analytics***, and stakeholder engagement, aiming to improve ***active transportation safety***, connectivity, and comfort in rural areas and small towns statewide. The plan will identify potential projects, policies, programs, and strategies to ***enhance mobility and safety for vulnerable road users, cyclists, and pedestrians***.

Stakeholder Engagement & Data-Driven Analysis: The VHB team has developed and executed a robust ***engagement strategy*** with key stakeholders and the general public to gather insights on current perceptions and conditions, develop a collective vision and guiding principles, and form recommendations for Georgia's active transportation future. VHB applies a mix of quantitative and qualitative analyses to baseline existing conditions and identify needs, including systemic and ***hotspot safety analysis for vulnerable road users***, connectivity assessment for active transportation networks, bicycle level of comfort assessment, and evaluation of current practices, policies, and funding.

Plan Development, Implementation, & Ongoing Support: VHB's statewide experience in transportation planning, engineering, and ***national expertise*** ensures a tailored approach to Georgia's unique challenges. The plan development is complemented by additional active transportation safety, design guidance, policy development, project concept development, grant support and writing, and education and communications assignments. These activities are focused on ***implementing improvements*** for known active transportation safety issues during plan development. VHB is currently developing proposed strategies and actions for incorporation into the final Rural ATP and will continue supporting GDOT with additional assignments to advance ***plan implementation*** through 2026.

Relevant Services

- Crash Data Review and Analysis
- Location Studies
- Statistical Analysis Methods
- Safety Effectiveness Evaluation
- Statewide Datasets and Big Data Collection, Creation, and Analytics/GIS
- Interactive Data Dashboards and Mapping
- Literature Review/Best Practices
- Statewide Active Transportation Plan Development
- Statewide Systems Planning
- Vulnerable Road Users Safety Planning and Engineering
- Active Transportation and Safety Design
- Policy and Guidance Development
- Stakeholder/Agency Coordination
- Public Engagement
- Grants Support/Writing

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Data Collection, Planning
Project name	LADOTD GIS Program Development and GIS Systems Integration	Firm responsibility (prime or sub?)	Prime
Project number	30092793	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Statewide, LA	Owner's Project Manager	Jason P. Chapman, PE
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802 / (225) 242-4578 / Jason.Chapman@la.gov		
Services commenced by this firm (mm/yy)	02/20	Total consultant contract cost ($1,000's)	$7,800
Services completed by this firm (mm/yy)	06/ 24	Cost of consultant services provided by this firm ($1,000's)	$7,800

Firms Role: Arcadis provided technical assistance to LADOTD, supporting both day-to-day operations and long-term system modernization initiatives. Our team led ***the integration of business systems, data management, and geospatial information solutions***, enhancing the Department's ability to analyze safety, asset, and planning data.

Firm Members Involved: David Ward, Joshua Chatelain

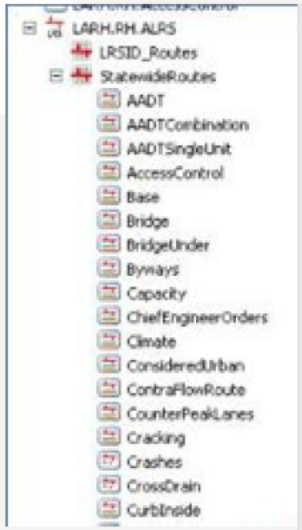
Technical Integration & Staff Support: Arcadis partnered with the Louisiana Department of Transportation and Development (LADOTD) to provide technical assistance through embedded and remote staff, operating as an extension of LADOTD's workforce. Our team supports daily operations by delivering expertise in ***system design, development, and implementation***, ensuring seamless integration with existing LADOTD processes and elevating the Department's ***digital and analytical capabilities***.

Data & Systems Management: Arcadis designs, develops, and manages ***business system integration*** profiles for key platforms including Deighton's dTIMS pavement management, Agile Assets enterprise asset management, MS2 traffic analysis systems, and CARTS/LSU safety and crash systems. We administer ***enterprise database systems***, uphold data quality, and manage data distribution to support vital LADOTD business functions. Additionally, our team supports annual HPMS and CPM reporting and provides robust tools and applications for data analytics, aggregation, and dissemination.

Geospacial Solutions & Planning Support: Arcadis Arcadis leads the administration and enhancement of Esri's System of Engagement (SoE), integrating FME, Python, and ETL technologies to manage and distribute all departmental ***geospatial information***. We facilitate the migration of paper-based cartographic products to modern web and digital platforms, simplifying maintenance and access. Our services extend to the enhancement of **road inventory systems**, topographic systems (including imagery and LiDAR), asset management information, and the provision of advanced tools for ***planning functions, safety systems, and enterprise reporting***.

Relevant Services

- Data Management
- System Integration
- GIS Solutions
- Reporting For Federal Programs
- Data Quality Control & Distribution
- Implementation of Analytical Tools



Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	**District 04 Pedestrian Safety Improvements**	Firm responsibility (prime or sub?)	Prime
Project number	H.015213.1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Caddo and Bossier Parishes, LA	Owner's Project Manager	Jessica DeVille
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1844, jessica.deville@la.gov		
Services commenced by this firm (mm/yy)	02/23	Total consultant contract cost ($1,000's)	$268
Services completed by this firm (mm/yy)	05/24	Cost of consultant services provided by this firm ($1,000's)	$258

Firms Role: Performed a ***safety feasibility and minimum engineering studies*** for 7 corridors within Caddo and Bossier Parishes that have a high potential for pedestrian safety improvements to identify and evaluate low-cost pedestrian safety countermeasures.

Firm Members Involved: Ari Deitch, Akhil Chauhan, Max Aguirre

Relevant Services

- Safety Feasibility Study
- Data Collection
- Historical Safety Analysis
- Road Safety Assessments
- Limited Engineering Studies
- Stakeholder Engagement
- Countermeasure Selection
- Concept Drawings
- Predictive Safety Analysis
- Construction Cost Estimates
- Benefit-Cost Analysis
- Environmental Review
- Stage 0 Checklists / Report

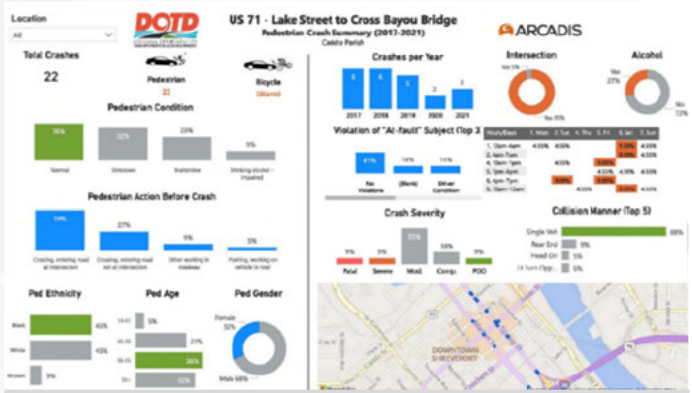


Figure: Custom Dashboard showing Historical Pedestrian Crash summary (2017-2021) on US 71 in Downtown Shreveport

Project Background: Study locations were identified through the Louisiana Pedestrian Crash study prepared by CARTS. Locations were furthered screened through collaboration with the District 04 DTOE based on local knowledge of ***historical safety issues and pedestrian activity***. Utlimately, 7 locations were selected for inclusion in the Stage 0 Study.

Study Methodology: The Stage 0 Study utilized a methodology similar to that of a ***Road Safety Assessment***. Detailed historical crash analysis was performed for each location to identify areas of concern. On-site field reviews were performed for areas of concern to document existing condition of pedestrian facilities and activity and assess the feasibility of potential pedestrian safety countermeasures. Countermeasures were vetted through ***stakeholder engagement, geometric layouts, construction cost estimates, and benefit-cost analysis (BCA)***. Expected benefits of safety improvements were quantified through the application of Crash Modification Factors (CMFs).

Figure: On-Site Field Review of Project Site with High Potential for Pedestrian Safety Improvements

Stakeholder Engagement: Stakeholder engagement was a major component of the study. Stakeholders were identified at the beginning of the project and included LADOTD, City of Bossier, City of Shreveport, NLCOG, Downtown Development Authority, etc. ***Stakeholders had significant input in the selection of safety countermeasures***, which facilitated the incorporation of context sensitive solutions that would be appropriate for the area and would have the support of state and local agencies.

Stage 0 Documentation: Separate Stage 0 Reports were provided for all 7 study locations, each containing a *benefit-cost analysis* to prioritize implementation. ***Preliminary Scope and Budget and Environmental Checklists*** were included with each Stage 0 Report.

Firm name	HDR	Past Performance Evaluation Discipline(s)*	Traffic, Planning
Project name	**Strategic Highway Safety Plan (SHSP) Development and Planning (TO1 and TO3)**	Firm responsibility (prime or sub?)	Prime
Project number	State/F.A.P. No. H.972419.1	Owner's name	Louisiana Department of Transportation and Development (LaDOTD)
Project location	Statewide, LA	Owner's Project Manager	Autumn Goodfellow-Thompson
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802, (225) 379-1838, Autumn.Goodfellow-Thompson@LA.GOV		
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost ($1,000's)	$653.7
Services completed by this firm (mm/yy)	05/25	Cost of consultant services provided by this firm ($1,000's)	$387.7

Firm's Role: As part of the 5-year Strategic Highway Safety Plan (SHSP) Development and Planning IDIQ contract, HDR completed work, including SHSP Update and ***Regional Marketing and Advertising Support*** (TO1) and ***Destination Zero Deaths Website Design*** (TO3).

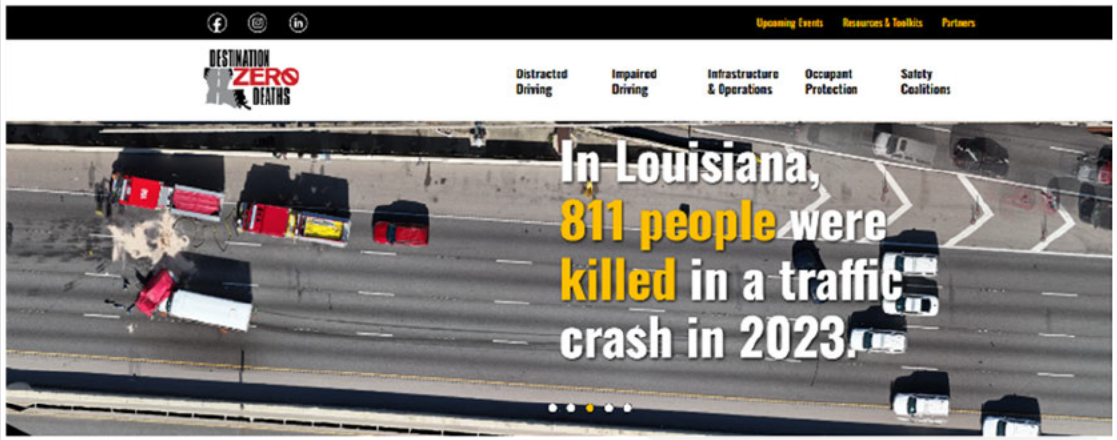
Firm members involved: Dan Cook

Relevant Services

- Field Audits
- Pedestrian & Bicycle Evaluation
- Safety Countermeasure Development
- Safety Assessments
- Community/Stakeholder Engagement

SHSP Update and Regional Marketing and Advertising Support: With support from Arcadis, Penna Powers, and other subconsultants, the HDR team analyzed and updated crash data; reviewed ***peer state SHSPs***; reviewed the ***SHSP process approval checklist***; prepared the 2022 SHSP as an update to the 2017 SHSP; developed marketing and engagement plans; and prepared the 2023 ***Strategic Communication Plan***. HDR also designed several ***marketing materials***, including the 2025 Destination Zero Deaths (DZD) brochure; a Buckle Up Phone Down (BUPD) logo and flyer; and a post-crash care card.

Destination Zero Deaths Website Design: HDR supported LADOTD in the planning, redesign, and development of the DZD website. The DZD website houses SHSP materials, ***crash statistics***, ***action plans***, social media links, and other resources. HDR's Digital Engagement team created a user-friendly, device-responsive, accessible website to share information, educate stakeholders and communities, provide ***community engagement opportunities***, and integrate with other digital communication channels and media. HDR launched and transferred the final website to DOTD in May 2025.



"The consultant provided highly technical crash analysis and network screening utilizing the latest methods based on recent research and available data. These deliverables were vetted and found suitable by many stakeholders and crash data experts.
The consultant was adept and knowledgeable, explaining the various technical concepts in great detail and patiently addressing questions or comments." - ***Deville, Jessica J.***

Firm name	vhb	Past Performance Evaluation Discipline(s)*	Traffic, Planning
Project name	**Vermont Multimodal Roadway Guide**	Firm responsibility (prime or sub?)	Prime
Project number	Multiple VHB Project Numbers	Owner's name	Vermont Agency of Transportation
Project location	Statewide Vermont	Owner's Project Manager(s)	Matthew Arancio, Matt Bogacyzk
Owner's address, phone, email	219 N. Main Street, Barre, VT 05641 | Matthew Arancio: 802.793.7489; Matthew.Arancio@vermont.gov and Matt Bogacyzk: 802.793.5321; Matthew.Bogaczyk@vermont.gov		
Services commenced by this firm (mm/yy)	09/23	Total consultant contract cost ($1,000's)	$467
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$467

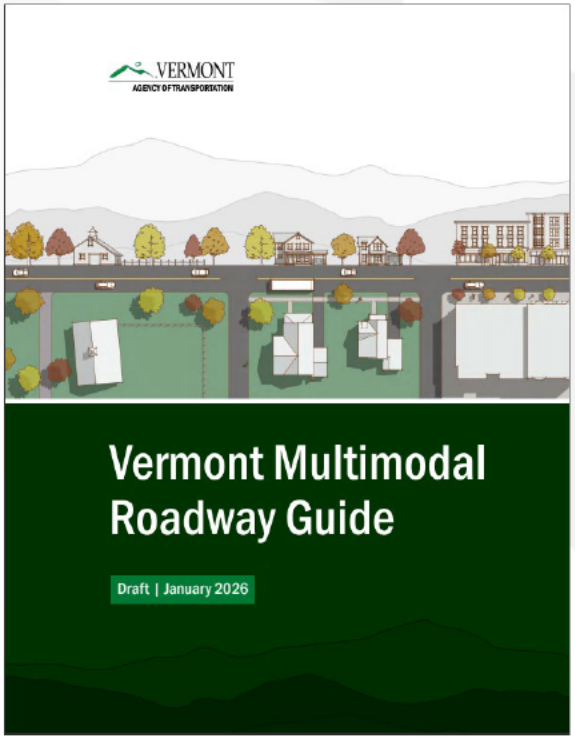
Firm's Role: VHB is leading the update of Vermont's State Design Standards, integrating current best practices and a multimodal approach to facility planning and design. The team collaborates with VTrans and stakeholders to develop a context-sensitive framework focused on safety, connectivity, and accessibility. VHB is responsible for developing technical content, supporting training sessions, and ***guiding statewide implementation of the new standards***.

Firm Members Involved: Taylore Bonner, Drew Gingras

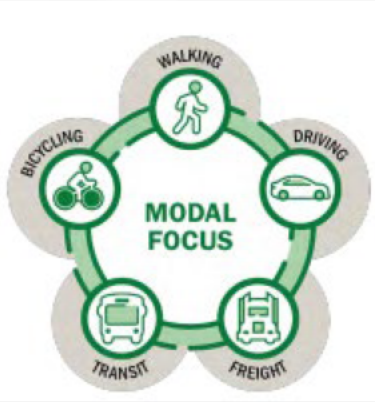
Relevant Services

- Guidance and Graphic Development
- Literature Review / Best Practices
- Stakeholder / Agency Coordination
- Complete Streets
- Pedestrian and Bicyclist Safety
- Training and Technical Assistance

Multimodal Design Standards Update: VHB was selected by the Vermont Agency of Transportation (VTrans) to update Vermont's State Design Standards, aligning them with ***current best practices*** and incorporating a multimodal approach into transportation facility planning and design. Working collaboratively with VTrans and a diverse group of internal and external stakeholders, VHB has developed a new method for planning and designing Vermont's transportation networks. This approach emphasizes context sensitivity and ***prioritizes outcomes for all users***, with a strong focus on safety, connectivity, accessibility, and comfort, while considering the roadway's relationship to surrounding land use and the built environment.



Stakeholder Engagement & Innovative Guidance Review: To develop the framework for the guide, VHB gathered ongoing feedback from stakeholders through a series of in-person and virtual ***listening sessions*** to identify needs and opportunities for improvement. Drawing on this input, VHB conducted a comprehensive review of ***innovative design guides*** from across North America to incorporate the most relevant elements and advance the guide's goals.



Technical Development, Training, & Implementation Support: VHB is now initi ating development of the technical content and will assist VTrans in rolling out the guide through statewide ***training sessions***. The project is scheduled for completion by the end of 2026, with VHB providing ongoing ***support for implementation*** and adoption of the new standards.

Firm name	ARCADIS	Past Performance Evaluation Discipline(s)*	Planning, Traffic
Project name	New Orleans Pedestrian Safety Study	Firm responsibility (prime or sub?)	Prime
Project number	4400004404 (H.012312.1)	Owner's name	Louisiana Department of Transportation and Development (LADOTD)
Project location	Orleans Parish, LA	Owner's Project Manager	Adriane McRae
Owner's address, phone, email	1201 Capitol Access Rd Baton Rouge, LA 70802, 225 379 1950, adriane.mcrae@la.gov		
Services commenced by this firm (mm/yy)	04/16	Total consultant contract cost ($1,000's)	$278
Services completed by this firm (mm/yy)	09/18	Cost of consultant services provided by this firm ($1,000's)	$278

Firm's Role: LADOTD in partnership with the New Orleans Regional Planning Commission (NORPC) tasked Arcadis with completing a ***pedestrian safety feasibility study*** of 20 intersections located in Orleans Parish. NORPC identified the candidate intersections through a detailed Pedestrian Safety Action Plan (PSAP) investigation.

Firm Members Involved: Ari Deitch, Akhil Chauhan

Stage 0 Safety Study and Documentation: The Arcadis team conducted the studies in accordance with ***DOTD's Stage 0: Manual of Standard Practice***, and DOTD's Traffic Signal Manual. Stage 0 documentation, including Preliminary Scope and Budget and Environmental Checklists, were completed for all 20 intersections.

Needs Assessment: Arcadis evaluated 3 years of crash data to identify crash trends, overrepresented crashes, and High PSI Locations. Site visits were performed to document the user experience from a ***ped/bike perspective***, assess the condition of existing infrastructure, and identify safety concerns.

Alternative Development & Preliminary Design Plans: Improvements focused on ***pedestrian and bicycle safety*** and included signal improvements, striping & signing improvements, lighting improvements, sidewalk/crosswalk improvements, curb extensions, traffic calming, ADA compliant curb ramps, and parking modifications. Improvements were segmented into short-term and long-term alternatives based on the cost and time needed to implement. ***Complete streets*** and context sensitive solutions were an important aspect of alternative development due to the historic nature of the area. Preliminary ***design plans, cost estimates, and benefit-costs*** were developed for each intersection to determine the feasibility of implementing the proposed alternatives and to inform project prioritization.

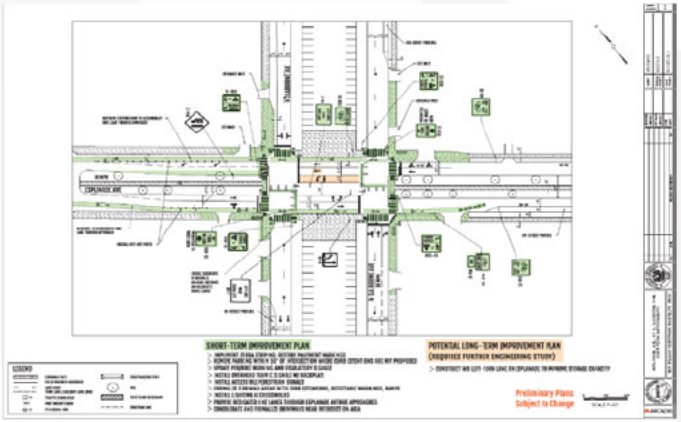


Figure: Design of short-term (green) and long-term (orange) implementable solutions for high-priority project intersection

Stakeholder Engagement: A critical component of the project was the need to ***engage a wide range of project stakeholders*** from the NORPC, City of New Orleans, LADOTD, and District 02. Arcadis ***conducted routine workshop sessions*** to review proposed improvements and ensure that all team members were in agreement.

Figure: High visibility crosswalk and pedestrian refuge installed at I-10 Service Road and Read Boulevard

Relevant Services

- Stage 0 Feasibility Study
- Data Collection
- Historical Crash Analysis
- Highway Safety Manual Analysis
- Warrant Analysis
- Alternative Development
- Preliminary Design Drawings
- Construction Cost Estimates
- Benefit/Cost Analysis
- Stakeholder/Agency Coord.
- Stage 0 Checklists

Firm name	Southern Traffic Services / REKOR	Past Performance Evaluation Discipline(s)*	Data Collection
Project name	LA 494: LA 6 to Blanchard Rd	Firm responsibility (prime or sub?)	Prime
Project number	H.015590.5	Owner's name	Arcadis (Prime) / LADOTD
Project location	Natchitoches Parish	Owner's Project Manager	Akhil Chauhan
Owner's address, phone, email	6100 Corporate Blvd., Suite 325 Baton Rouge, LA 70808, 225-368-6563, akhil.chauhan@arcadis.com		
Services commenced by this firm (mm/yy)	09/2024	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	12/2024	Cost of consultant services provided by this firm ($1,000's)	$50

Firm's Role: The firm provided comprehensive technical assistance for traffic data collection and analysis, leveraging advanced management software to coordinate and schedule all activities. The team deployed specialized equipment for traffic classification counts, approach counts, and ***Bike/Pedestrian assessments***. Processed data was compiled into detailed reports, with rigorous quality assurance procedures ensuring accuracy and reliability of final deliverables.

Staff Members: Joe Poole, Joel Ponder, Charles Williams

Relevant Services

- Bicycle & Pedestrian Counts
- Data Collection
- Traffic Classification Counts
- Approach Counts & Turning Movement Counts
- Quality Assurance Review
- Data Collection Formatting & Reporting

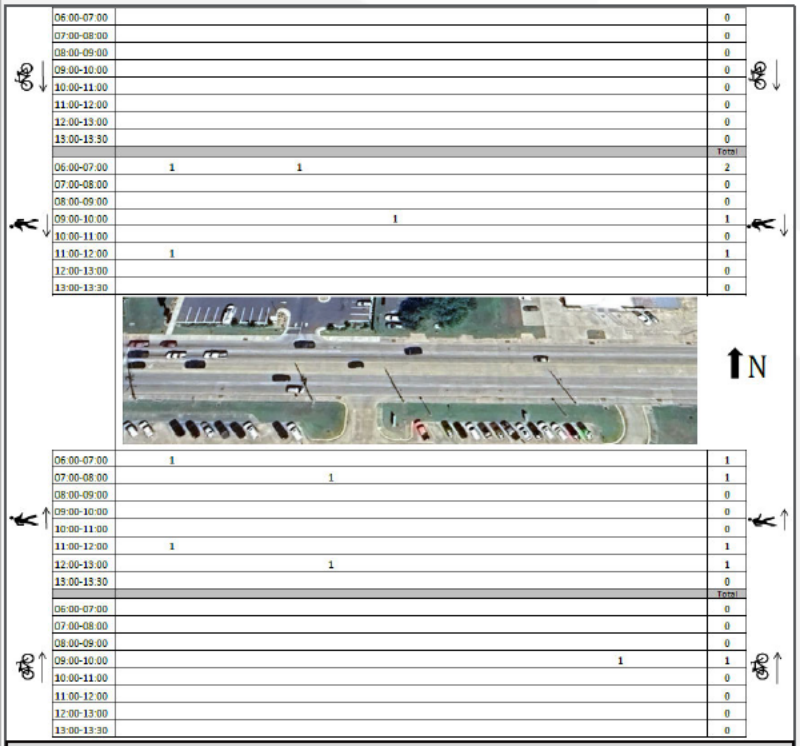


Figure: Midblock Pedestrian Crossing Counts

Project Scheduling & Data Collection Coordination: The project was loaded into management software, and all data collection activities were scheduled for execution. Event recorders with pneumatic tubes were deployed to capture a ***7-day classification count***.

Data Processing & Reporting: Collected data was processed by ***data analysts*** and assembled into reports in the required format. Reports were submitted and count hours were awaited for subsequent phases.

Comprehensive Corridor Assessment: Upon receiving approved count hours, additional event recorders and pneumatic tubes were installed to collect 48-hour approach counts, while cameras were used for 18-hour Turning Movement Counts and mid-block ***Bike/Ped counts*** throughout the corridor.

Quality Assurance & Final Deliverables: All final reports underwent ***rigorous review*** prior to submission to ensure accuracy and completeness.

Firm name	Southern Traffic Services / REKOR	Past Performance Evaluation Discipline(s)*	Data Collection
Project name	SR 3 Corridor Bike-Ped Study	Firm responsibility (prime or sub?)	Prime
Project number	25052.05	Owner's name	Burgess & Niple- FDOT
Project location	Meritt Island, Florida	Owner's Project Manager	Rich Jardim
Owner's address, phone, email	1800 Pembrook Dr, Ste 265, Orlando, FL 32810 ; 352-933-2579 ; Rich.Jardim@burgessniple.com		
Services commenced by this firm (mm/yy)	09/2025	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	10/2025	Cost of consultant services provided by this firm ($1,000's)	$6

Firm's Role: The firm provided technical assistance in coordinating and executing all data collection activities using ***advanced management software***. The team conducted thorough ***video-based pedestrian crossing analysis*** and compiled detailed studies for client review. All deliverables were subjected to rigorous quality assurance to ensure accuracy and completeness prior to final submission.

Staff Members: Joe Poole, Brandi Smith

Relevant Services

- Pedestrian Crossing Analysis
- Data Collection
- Deployment of Video Capture Technology
- Data Processing & Documentation
- Quality Assurance Review
- Report Compilation

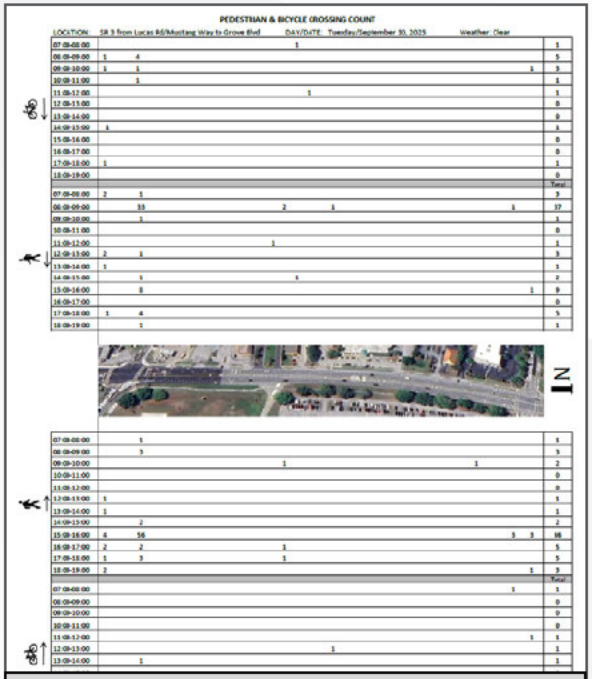


Figure: Midblock Pedestrian Crossing Counts

Project Initiation & Data Collection Coordination: The project was systematically entered into management software, facilitating organized planning and scheduling for all data collection activities. Detailed coordination enabled the ***strategic deployment of cameras***, which captured comprehensive video data along a 1,900' segment of SR 50. This approach ensured both efficiency and consistency in the collection process, supporting ***accurate downstream analysis***.

Data Processing & Reporting: Skilled analysts conducted a thorough ***video-based pedestrian crossing analysis*** by meticulously reviewing all video footage. Each pedestrian crossing was logged with precise time, location, and direction details, creating a robust dataset. The compiled study offered actionable insights into ***pedestrian movement patterns*** and corridor usage, supporting ***data-driven recommendations*** for safety and operational improvements.

Data Processing & Reporting: The assembled study underwent a comprehensive ***quality assurance review*** to validate accuracy, completeness, and compliance with client specifications. Final deliverables were formatted to meet the standards and expectations of Burgess & Niple/FDOT, ensuring ***reliable information*** to inform decision-making and future project phases.

Firm name	Southern Traffic Services / REKOR	Past Performance Evaluation Discipline(s)*	Data Collection
Project name	SR 50 Corridor Bike-Ped Study	Firm responsibility (prime or sub?)	Prime
Project number	25052.04	Owner's name	Burgess & Niple- FDOT
Project location	Clermont, Florida	Owner's Project Manager	Rich Jardim
Owner's address, phone, email	1800 Pembrook Dr, Ste 265, Orlando, FL 32810 ; 352-933-2579 ; Rich.Jardim@burgessniple.com		
Services commenced by this firm (mm/yy)	09/2025	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	10/2025	Cost of consultant services provided by this firm ($1,000's)	$8

Firm's Role: The firm provided technical assistance and oversight for all phases of the project, utilizing management software to coordinate and schedule data collection activities. The team executed detailed ***video-based pedestrian analysis***, compiled robust documentation, and ensured that each deliverable met high standards through rigorous ***quality assurance processes***.

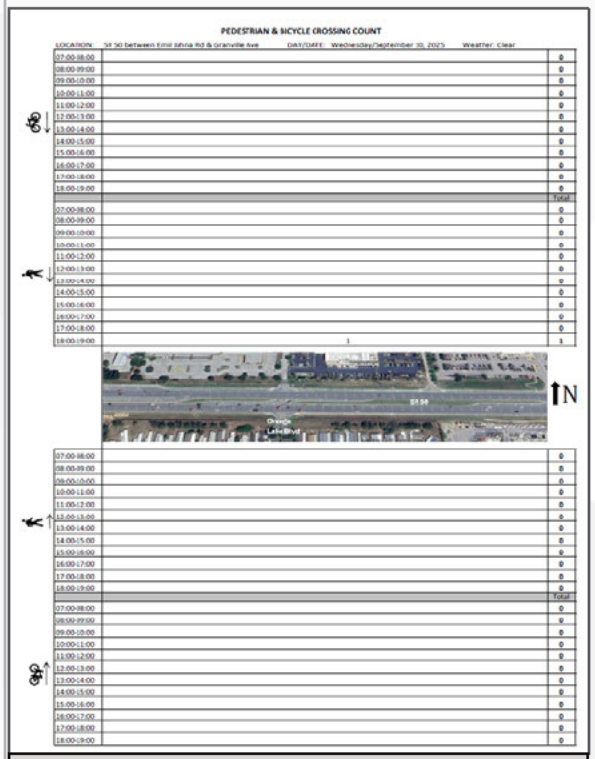


Figure: Midblock Pedestrian Crossing Counts

Staff Members: Joe Poole, Brandi Smith

Relevant Services

- Pedestrian Crossing Analysis
- Data Collection
- Deployment of Video Capture Technology
- Data Processing & Documentation
- Quality Assurance Review
- Report Compilation

Project Initiation & Data Collection Coordination: The project was entered into management software, enabling efficient planning and resource allocation for all data collection activities. A coordinated schedule ensured that ***deployment of cameras*** for video capture along the 1,900' segment of SR 50 was completed in a timely manner, ***maximizing coverage and consistency*** in the data gathering process.

Data Processing & Pedestrian Analysis: Experienced processors conducted a thorough ***video-based pedestrian crossing analysis*** by reviewing all captured footage. Each crossing event was documented with precise time, location, and direction information to ensure the dataset accurately reflected corridor activity. The resulting study provided actionable insights for evaluating ***pedestrian flow*** and identifying areas of concern for future safety improvements.

Quality Assurance & Deliverable Submission: Prior to client submission, the compiled study underwent a comprehensive ***quality assurance review*** to verify accuracy, completeness, and adherence to project requirements. Final deliverables were prepared according to client standards, supporting informed decision-making for corridor safety and planning by Burgess & Niple/FDOT.

SECTIONS

18

The Arcadis Team has completed Limited Engineering Studies such as Road Safety Assessments (RSAs). Our Team Completed RSAs with Benefit Cost Analysis as part of the Baton Rouge Pedestrian and Bicycle Safety Action Plan.

RSA 1: Highland Road at S. Stadium Drive

Site Visit Date/Time
October 21, 2020/AM

Benefit Cost Analysis of Proposed Recommendations and Countermeasures

Louisiana State Unit Cost per Crash

Severity	Cost
Fatal	$1,710,561
Severe Injury	$489,446
Moderate Injury	$173,578
Complaint Injury	$58,636
PDO	$24,982

Inflation	Years of Service
4%	10 years

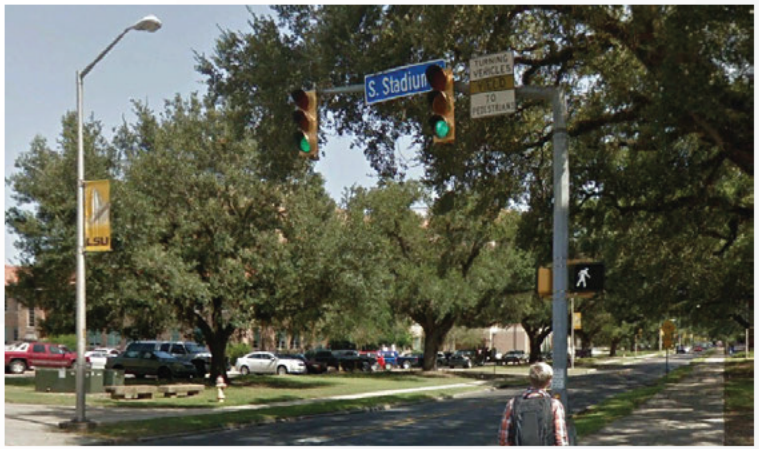
Notes:
1. Calculations were based on the estimated crash reduction and the Louisiana Department of Transportation and Development (LADOTD) cost of crashes by severity provided on the LADOTD Highway Safety Section's website: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Multimodal/Highway_Safety/Pages/Highway_Safety_Analysis_Toolbox.aspx
2. Calculations were based on a 10-year life of service and 4% inflation.
3. Construction cost estimates should be considered "planning-level" and do not include the cost of maintenance, engineering studies, or enforcement activities.
4. Crash reductions and safety benefits for this RSA were calculated at the intersection level only.

Short-Term Recommendations and Countermeasures

Recommendations and Countermeasures	Safety Benefits per Year	Safety Benefits (10 Years)	Cost
•Remove obstructions from pedestrian landing areas (e.g., trash cans, newspaper stands).	-	-	-
•Restore striping and implement striping enhancements such as sharrow symbol on mainline and side-street approaches.	-	-	$28,000
•Prohibit ROR movements to address conflicts with bicyclists, pedestrians, and cars.	$12,250	$99,361	$2,000
•Implement actuated pedestrian phases for mainline approaches.	-	-	$28,000
•Add an ADA-compliant bus stop south of intersection for wheelchair access with ramps.	-	-	$9,000
•Recommend that CATS provide dedicated supports for bus stop signage.	-	-	-

Mid-Term Recommendations and Countermeasures

Recommendations and Countermeasures	Safety Benefits per Year	Safety Benefits (10 Years)	Cost
•Install/improve lighting for crosswalks on all approaches.	$12,250	$99,361	$49,000
•Expand and restore landing areas and provide directional ADA-compliant curb ramps, provide directional ADA-compliant curb ramps and detectable warnings.	-	-	$69,000
•Relocate signal pole.	-	-	$27,000
•Adjust storm drain covers to match grade of roadway in vicinity of intersection.	-	-	$27,000



The Arcadis Team

The **Arcadis Team** has been strategically assembled to deliver the full suite of services and ***technical assistance*** outlined in this IDIQ contract. Informed by previous discussions with the LADOTD Project Manager (PM), we understand LADOTD's goal to ***leverage local knowledge and national expertise to develop and implement safety improvement projects for Vulnerable Road Users (VRUs)***. VRU crashes represent a significant and growing percentage of traffic fatalities and exceed 15% of total fatalities throughout the state. Under the Bipartisan Infrastructure Law, this requires 15% of HSIP funds to be allocated to protecting the safety of VRUs. One of our Team's primary goals is to ***assist LADOTD in maximizing the use of available safety funds*** by identifying and advancing VRU projects that address critical safety needs and deliver high benefit-to-cost ratios.

Ari Deitch, PE, PTOE, PTP, will serve as Project Manager for the Arcadis Team, bringing specialized experience in traffic operations and safety, with particular emphasis on ***VRU-focused analysis, planning, and design***. Ari will be supported by a highly qualified team of traffic and safety engineers, planners, instructors, data analysts, roadway, and environmental staff to ensure comprehensive coverage of all contract services. To complement Arcadis' expertise, several key subconsultants are included on the team:

HDR will provide support in VRU data analysis, network screening, planning documentation, and public involvement. Notably, HDR led the development of the ***Louisiana VRU Safety Assessment***, which included a quantitative evaluation of VRU safety performance and actionable recommendations. HDR also contributed to the creation of the ***VRU Analysis Tool***, enabling statewide network screening for VRU safety needs.

VHB will lend its national experience in technical reviews, training, data analysis, complete streets policy and design, feasibility studies, and project development. VHB has delivered ***VRU safety program training and technical assistance*** both within Louisiana and across the country.

Southern Traffic Services (STS/Rekor) will provide pedestrian and bicycle counts, including quick deploy counts to support engineering studies.

The Arcadis Team offers LADOTD a blend of local knowledge and national expertise, ensuring ***effective identification, prioritization, and delivery of VRU safety projects that maximize available resources and improve safety outcomes for Louisiana's vulnerable road users.***

Contract / Project Management

Upon execution of the contract, the Arcadis Team leads will schedule a meeting with the LADOTD PM to review goals and objectives, discuss potential task orders, identify key stakeholders, and present our approach to the overall contract management. Arcadis will schedule monthly meetings with the LADOTD PM to provide status updates on all active and potential task orders. For individual task orders, we believe that ***a comprehensive, clearly defined scope of work is imperative to the successful and timely completion of task orders.*** Putting extra effort into the scope development process solidifies a mutual understanding of tasks and deliverables and minimizes the potential for costly scope changes. Arcadis will provide regular updates on project schedule and budget and will take a proactive approach to notifying the LADOTD PM of any potential issues that need to be resolved.

VRU Data Analysis / Network Screening

The Arcadis Team is fully prepared to provide comprehensive support for safety data analysis and network screening for VRUs. ***Our Team has directly assisted LADOTD in developing the Louisiana VRU Assessment***, which utilize data-driven methodologies and the Safety System Approach (SSA) to screen the statewide roadway network and ***prioritize locations with the greatest need for VRU safety improvements***. As part of this assessment, our Team identified best practices for safety countermeasures and strategies, incorporated feedback from stakeholder engagement, and produced actionable recommendations to address VRU safety needs across Louisiana.

The Arcadis Team supported LADOTD in developing the VRU Analysis Tool, a GIS-based resource that facilitates network screening, project identification, and data-driven decision-making. We also currently hold a state contract to ***expand relevant datasets within LADOTD's linear referenced enterprise database system.*** This will ultimately enable further refinement to the VRU Analysis Tool such as identifying specific roadway segments or locations most in need of safety improvements. Currently, the tool is limited to identifying generalized areas using hexagonal polygons. ***Our Team's direct experience with the development of the VRU Data Analysis Tool and Safety Assessment provides unmatched advantages and efficiencies in supporting LADOTD to expand upon these initiatives.***

To address potential enhancements to the VRU Analysis Tool, we will conduct an internal review and convene with LADOTD, the Center for Analytics and Research in Transportation Safety (CARTS), and other stakeholders to explore

opportunities for ***improved data availability, analysis methodology, and alignment with best practices from the Highway Safety Manual (2nd edition)***. Through this collaborative process, we will identify targeted improvements to both the VRU Analysis Tool and the broader VRU Safety Assessment.

In addition to providing technical assistance with network screening and data analysis, the Arcadis Team will leverage our extensive experience to support LADOTD in reviewing and ***enhancing policies and methodologies for selecting and prioritizing VRU projects statewide that utilize HSIP Funds***. Our goal is to help LADOTD implement data-driven, equitable, and transparent processes that ensure resources are allocated to projects with the greatest potential to improve safety for vulnerable road users across Louisiana.

Stage 0 Feasibility Studies / Project Development

The Arcadis Team will serve as the primary point of contact, supporting LADOTD and stakeholders in coordinating the identification and development of VRU safety projects. ***Quarterly meetings will be held with each District to discuss potential VRU projects***. Prior to these meetings, the Arcadis Team will review current plans and conduct network screening and data analysis to ***identify and prioritize areas of concern related to VRU safety***. Identified locations will be ranked based on high-level assessments of project feasibility, enabling a focused discussion on project selection. ***Project selection will be a collaborative process involving the Arcadis Team, the LADOTD Project Manager, and stakeholders.*** Project scopes will be developed by Arcadis for review and approval by LADOTD. Studies may vary in size and complexity based on scale and potential impact of proposed improvements. If proposed improvements are not expected to impact traffic operations, limited engineering studies such as ***Road Safety Assessments*** may be sufficient. ***Public and stakeholder meetings*** may be required for significant changes to the transportation network (e.g., road diet).

Once projects are selected, the Arcadis Team will conduct Stage 0 Feasibility Studies in accordance with the LADOTD Stage 0 Manual of Standard Practice and applicable state and federal guidelines. These studies will further quantify safety needs, identify countermeasures and alternatives, and assess the ***benefits and costs of implementation***. A comprehensive ***Stage 0 Report—including Preliminary Scope, Budget, and Environmental Checklists***—will be prepared to document findings, facilitate environmental clearance, and incorporate the project into the Statewide Transportation Improvement Program (STIP). Potential funding sources will be discussed with LADOTD and identified in the Stage 0 documentation.

Technical Reviews

The Arcadis Team will conduct comprehensive technical reviews for projects involving bicycle, pedestrian, and transit-related design elements, ensuring alignment with all applicable national, state, and local standards, as well as recognized best practices. We have successfully delivered similar services for FHWA, state DOTs, and municipalities—reviewing a diverse range of project documentation, including design plans, engineering studies, analysis methodologies and results, modeling, and Stage 0 documentation. Our Team combines deep expertise in both developing and reviewing these deliverables, offering a thorough understanding of Louisiana's design standards and local context, as well as extensive familiarity with national guidelines and best practices informed by our experience on VRU safety projects across the country. ***This multifaceted perspective enables us to provide detailed, context-sensitive assessments and actionable recommendations that enhance safety, ensure compliance, and improve project effectiveness for all modes of transportation***. We will apply relevant design standards, including but not limited to LADOTD Manuals, EDSMs, Minimum Design Guidelines, Complete Streets Policy, AASHTO guides for bicycle and pedestrian facilities, Public Rights-of-Way Accessibility Guidelines (PROWAG), National Association of City Transportation Officials (NACTO) guidelines, and Institute of Transportation Engineers (ITE) guidelines. We are familiar with the latest versions of the LADOTD Traffic Engineering Manual and MUTCD, and associated guidelines for VRU facility design and warrants.

Trainings

The Arcadis Team's approach to trainings is grounded in close collaboration with LADOTD to ensure a thorough understanding of training objectives, content, and desired outcomes. Emphasis is given to curriculum development, rigorous technical content review, and proactive engagement with key stakeholders—including FHWA, local public agencies (LPAs), and other partners—to ensure that all instructional materials are accurate, up-to-date, and aligned with federal, state, and local standards. ***Trainings are developed to blend national expertise with detailed knowledge of LADOTD design standards, guidelines, and context-sensitive solutions, ensuring content is both relevant and immediately applicable to Louisiana's needs***.

Our delivery methods include interactive in-person sessions, dynamic virtual trainings, and concise, topic-focused modules tailored to specific technical areas. Each training will incorporate current industry guidance, standards, and best practices, with an emphasis on building staff capacity in multimodal

planning and operations. Modules are designed to ***combine classroom instruction with hands-on exercises***, reinforcing the real-world application of design principles and multimodal safety considerations. For example, a training module may focus on the latest FHWA guidance for integrating pedestrian and bicycle equipment into traffic signal designs. Attendees may include planners, engineers, and representatives from LADOTD, LPAs, and metropolitan and regional planning organizations.

The Arcadis Team's experience in developing and delivering impactful trainings is demonstrated through our work developing implementation best practices for the second edition of the Highway Safety Manual for FHWA. Additionally, the Arcadis Team developed video-based mini-modules for a training course on Designing and Operating Roadways for Safe Speeds. These modules incorporated embedded learning and evaluation mechanisms as well as specialized content in speed management, roadway design, and automated speed enforcement. These examples illustrate our ability to produce ***engaging, effective trainings that support practitioners in adopting the latest multimodal safety and design practices***, while actively collaborating with key stakeholders throughout the process.

Limited Engineering Studies

The Arcadis Team's approach to limited engineering studies is to ***focus the scope of work on providing only the necessary data, analysis, and documentation to fully comply with design standards and warrants for associated VRU safety improvements***. The scope of work will be tailored for the specific safety improvement(s) being considered for a particular location or set of locations. Our Team will ensure compliance with applicable standards and guidelines such as the LADOTD Traffic Engineering Manual, Complete Streets Policy, EDSMs, MUTCD, PROWAG and any other state or federal requirements. We are well-versed in the latest requirements of the updated Traffic Engineering Manual and MUTCD regarding Vulnerable Road User (VRU) facility design and warrants.

This targeted approach is supported by ***close collaboration with key stakeholders involved in the project development and approval process***, including LADOTD highway safety and traffic engineering sections, as well as local governing agencies and municipalities. Stakeholders will be engaged during the scoping of the project to ensure that all necessary study elements are captured to satisfy identified requirements. In many cases, local agencies are responsible for the maintenance and upkeep of pedestrian and bicycle facilities such as sidewalks, curb ramps, and pavement markings for crosswalks and bike lanes. As such, it is critical to obtain their buy-in on study elements and proposed improvements early on in the project delivery process.

By streamlining studies to essential elements and actively engaging all relevant parties, limited engineering studies can be completed on a short timeline (3-6 months) to ***expedite the deployment of critical VRU safety improvements***.

Complete Streets Policy / Steering Group

The Arcadis Team will conduct a thorough review of LADOTD's existing Complete Streets practices, and policies—evaluating their integration into the Department's project delivery processes, standards, manuals, and EDSMs. Our Team will assess the alignment of these practices with current industry standards and best practices, including recent updates to design guidelines such as the MUTCD (11th Edition), PROWAG, AASHTO Guide for the Development of Bicycle Facilities (5th Edition), and the recently published technical report by LTRC on Evaluating the Impacts of Complete Streets Policy in Louisiana. Based on these assessments and collaboration with stakeholders, we will identify opportunities to ***strengthen multimodal considerations and ensure consistency across all project phases, design standards, manuals, and related initiatives***. This comprehensive evaluation will inform recommendations for updates, enhancements, and implementation strategies that reinforce LADOTD's commitment to Complete Streets principles and drive improved outcomes for all road users.

Our approach is grounded in data-driven decision making, stakeholder collaboration, and the integration of national best practices in multimodal design. ***Leveraging advanced GIS tools and understanding of available data sets, we can develop or improve mapping applications that link performance measures to specific roadway segments, enabling transparent analysis and targeted improvements***. Our Team will advise and assist LADOTD in updating policies and guidelines and incorporating essential data points like speed, average daily traffic (ADT), and contextual factors to ensure recommendations are practical and context-sensitive.

A hallmark of our expertise is reflected in our work advancing complete streets implementation for FHWA. Our Team led the development of technical briefs and guidance documents that address foundational concepts and context-specific challenges, including strategies for rural main streets, urban cores, and suburban arterials. These materials are designed to ***support stakeholders in moving from policy development to practical implementation*** and demonstrate our understanding of the varied needs of local communities.

Updating DOTD Documents, Manuals, and Specifications - The Arcadis Team will develop or update LADOTD documents, manuals, and specifications to reflect

proposed updates to Complete Streets polices and design requirements. A list of LADOTD staff and stakeholders will be established for each document being updated, and revised documents will undergo extensive review until all stakeholder comments have been adequately addressed. For example, our Team may review current Temporary Traffic Control standards to 1) update the standards to reflect the latest policy guidance and best practices for VRUs, and 2) develop additional details to cover commonly encountered construction activities that impact VRU facilities.

Complete Streets Steering Committee Coordination and Assistance - Our Team will meet with the LADOTD PM, the State Pedestrian, Bicycle, and Transit Design Expert, and steering committee members (as needed) to confirm meeting frequency and format, initiatives, and technical support needs. ***Our Team is prepared to provide any level of assistance that is needed for the LADOTD Complete Streets Steering Group*** in coordinating and conducting initiatives including action plans, strategies, and development of performance measures. Our Team has participated in similar assistance programs for FHWA, providing opportunities to bring local and national expertise to support LADOTD.

Bicycle and Pedestrian Plans / Modeling

The Arcadis Team is prepared to provide any level of assistance with developing and updating planning documents such as regional bike and pedestrian master plans, safety action plans, and statewide plans like the Louisiana VRU Safety Assessment. ***Our Team previously developed the Louisiana VRU Safety Assessment*** and has developed numerous bike and pedestrian planning documents in Louisiana and throughout the country. In Louisiana, our Team has developed pedestrian and bicycle plans for Baton Rouge, Mandeville, New Orleans, and Shreveport. ***Our Team brings experienced planners, engineers, public involvement specialists, modelers, and roadway and environmental experts to provide all services typically needed for pedestrian and bicycle master plan development and modeling.***

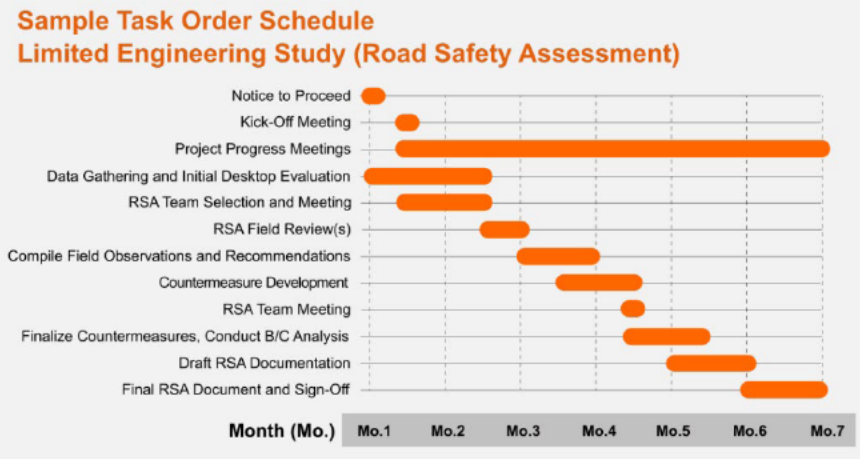
Quick Deploy Count Stations

As a strategic partner on the Arcadis Team, STS/Rekor will provide high-quality traffic data collection services to support this contract. Our Team has a ***comprehensive understanding of the data collection types and methodologies required to evaluate common VRU safety improvements***, such as crosswalk installations, pedestrian signals, midblock crosswalks and bike lanes. Data collection efforts will primarily focus on VRUs, including pedestrians and cyclists; however, studies may require counts for motorized modes to evaluate warrants for VRU safety improvements and assess impacts on vehicular traffic. Arcadis maintains a longstanding relationship with STS/Rekor, recognizing their commitment to data accuracy, QA/QC, and responsiveness. Our Team can ***rapidly deploy the necessary count stations***—typically within two weeks' notice—to gather the precise data needed for VRU engineering studies and evaluations.

Schedule

Sample schedules for various task order (TO) types that may be issued through this IDIQ contract are provided in the figures below. A detailed sample schedule is provided for limited engineering studies such as RSAs. We anticipate that TOs for data analysis, feasibility / limited engineering studies, and planning documents will range from 6 to 18 months. Task orders involving ongoing technical assistance, trainings, or program management will typically be structured for one-year periods. New task orders or scope extensions will be issued as needed to provide ***uninterrupted technical assistance over the duration of the IDIQ Contract***.

Task Order Type	Duration (Months)																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
VRU Data Analysis / Network Screening																		
Stage 0 Feasibility / Project Development																		
Technical Reviews																		
Trainings																		
Limited Engineering Studies																		
Complete Streets Support																		
Bicycle and Pedestrian Plans																		



SECTIONS

19-23

At Arcadis, our interdisciplinary teams blend Dutch and international experience to deliver world-class solutions for cycling and walking infrastructure. Our comprehensive approach spans policy development, network planning, and facility design, resulting in safe, attractive, and user-centered infrastructure for both cyclists and pedestrians—including high-quality bicycle lanes, pedestrian pathways, accessible crossings, and inviting public spaces, all tailored to local contexts and user behaviors.

This international expertise can be used to support LADOTD in bringing innovative ideas to bicycle and pedestrian facility design. By leveraging global best practices and adapting them to Louisiana's unique needs, we can help LADOTD accelerate the adoption of safe, convenient, and enjoyable active transportation options. Ultimately, our goal is to improve quality of life and create vibrant, connected communities across the state.

19 WORKLOAD:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
ARCADIS	Traffic	4400029193 / H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 *(Majority of work is complete, invoiced and awaiting payment)*	$479,778
		4400019379 / H.013797	LA 30: EBR PL – I-10	$232,048
		4400024307 / H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	$4,510
		4400021325 / H.012837.5	I-10 New Orleans Master Plan	$58,758
		4400023690 / H.015590.5	LA 494: LA 6 To Blanchard Rd	$104,358
		4400023690 / H.016529.5	US90BUS (Broad St): Enterprise BL – I-210	$185,074
		4400023690 / H.016380.5	LA 1024: S-Wave Ground Inlay Grooves	$110,480
		4400017033 / H.005121	LA 1/LA 415 Connector	$490,744
		4400025625 / H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	$133,543
		4400024084 / H.009300.5	CMAR Contract for Hooper Road Widening (LA 3034 – LA 37)	$10,202
		H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 9 months)*	$840,000
		4400025047 / H.011358.2	US 190 (Vine Street) Reconstruction	$93,435
	Road	4400024307 / H.015052	I-20: Widening/Ovrly (Vancil Rd-LA 34)	$2,883
		4400017033 / H.005121	LA 1/LA 415 Connector	1,190,931
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Road Task Orders	$10,377
		H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 9 months)*	$500,000
	ITS	4400025921 / H.015938.1	Transportation Systems Management and Operations (TSMO) Program	$13,030
		4400029193 / H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 *(Majority of work is complete, invoiced and awaiting payment)*	$112,889
		4400026457 / H.013868.5 (2025 Renewal)	ITS MGMT, OPERATIONS, & MAINT	$628,407
		4400026457 / H.013868.6 (A) (2025 Renewal)	ITS MGMT, OPERATIONS, & MAINT	$544,002
		4400026457 / H.013868.6 (B) (2025 Renewal)	ITS MGMT, OPERATIONS, & MAINT	$228,024
		H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 9 months)*	$190,000
	Environmental	4400019338 / Multiple State Project Nos	Rural Bridge Replacement Initiative Phase II	$17,088
		4400009281 / H.009932	US 80 Widening: Vancil Road to Well Road EA	$5,343

		4400025022 / H.015498.5 Recall 102225	Park Road Over Lagoon	$35,000
		4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Env. Task Orders	$183,549
		4400025625 / H.014622.2	St. Nazaire Road Ext: LA 96 – Corne Road	$46,920
		H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 9 months)*	$224,000
		4400025047 / H.011358.2	US 190 (Vine Street) Reconstruction	$8,125
	Bridge	4400029193 /H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 *(Majority of work is complete, invoiced and awaiting payment)*	$235,185
	Bridge	4400025022 / Multiple State Project Nos	IJJA Off System Bridge Program – Bridge Task Orders	$20,498
	Bridge	H.003931	I-10 Calcasieu River Bridge P3 *(Majority of remaining work to be completed within 9 months)*	$420,000
	CE&I/OV	4400029193 / H.004100.5 and H.004100.6	I-10: LA 415 to Essen Lane on I-10 and I-12 *(Majority of work is complete, invoiced and awaiting payment)*	$112,889
	CE&I/OV	4400027361 / H.011220.6, H.012901.6, H.010634.6	US 90 Engineering Support	$249,025
	CE&I/OV	4400016923 / H.012901.6, H.010634.6	US 90Z (Bodenger Blvd. – Stumpf Blvd.)	$192,319
	CE&I/OV	4400025046 / H.013710.6	I-10: US 61 to LaPlace ITS Deployment (CE&I)	N/A
	CE&I/OV	4400025665 / H.013482.6	I-10 WBR Queue Warning System	178,371
	Data Collection	4400021325 / H.012837.5	I-10 New Orleans Master Plan	$3,751
	Data Collection	4400023812 / H.015377.5	Weigh Station Assessment	$352,125

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
HDR	Other (Hydraulic) Modeling)	4400017091	LADOTD LWI Region 5 TO5	$362,100
	Bridge	4400024186/H.015472	LADOTD Br Preservation TO4	$106,185
		4400021517	Contract 5 for Movable Bridges	$1,599,200
	Planning	4400027876	LADOTD Inter-City Rail	$6,609
		4400026365/H.015223.2	Baton Rouge to New Orleans Rail Corridor Env. Study	$1,051,042

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
vhb	N/A	N/A	N/A	N/A

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
STS Southern Traffic Services / REKOR	Data Collection	4400023690 / H.016529.5	US 90BUS (Broad St): Enterprise BL-I-210	$43,281

20 CERTIFICATIONS/LICENCES

STAFF CERTIFICATION CHART SUMMARY

Names	Firm	Relevant Certification
Akhil Chauhan, PE, PTOE, PTP, PMP *Meets MPR No. 1 & 2*	ARCADIS	Professional Traffic Operations Engineer (PTOE) Project Management Professional (PMP) Professional Transportation Planner (PTP) Traffic Engineering Analysis Process & Report Module 1, 2, & 3 Various Relevant NHI and DOTD Courses
Cristina Martinez, AICP *Meets MPR No. 2*	ARCADIS	Certified Planner, America Institute of Certified Planners (AICP)
Ari Deitch, PE, PTOE, PTP, RSP1 *Meet MPR No. 3*	ARCADIS	Road Safety Professional (RSP) Professional Traffic Operations Engineer (PTOE) Professional Transportation Planner (PTP) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 ATSSA Traffic Control Supervisor NHI - Highway Safety Manual Workshop NHI Traffic Signal Design & Operation
Kester Hollier, PE, PTOE *Meet MPR No. 4 & 5*	ARCADIS	Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3 ATSSA Traffic Control Supervisor
Thomas Crochet, PE, PTOE *Meet MPR No. 4*	vhb	Professional Traffic Operations Engineer (PTOE)
Max Aguirre, PhD, PE, PTOE, RSP2I *Meet MPR No. 5*	ARCADIS	Professional Traffic Operations Engineer (PTOE) Road Safety Professional 2I ATSSA Traffic Control Supervisor Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Sridhar Basetty, PE, PTOE *Meet MPR No. 5*	ARCADIS	Professional Traffic Operations Engineer (PTOE) NHI Course No. 133078 – Access Management, Location and Design Association of Pedestrian and Bicycle Professionals – Designing Pedestrian Facilities for Accessibility Traffic Controller and Streetwise Training Course NHI – 133121 Traffic Signal Design and Operation Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Justin Maderia, PE, PTOE, PTP *Meet MPR No. 6*	ARCADIS	Professional Transportation Planner (PTP) Professional Traffic Operations Engineer (PTOE) Traffic Engineering Analysis Process & Report Modules 1, 2, & 3

20 CERTIFICATIONS/LICENCES

Names	Firm	Relevant Certification
Jose L. Rodriguez, PE *Meet MPR No. 2*	ARCADIS	ATSSA Traffic Control Supervisor
Dan Cook, PE, RSP *Meet MPR No. 7*	HDR	Road Safety Professional (RSP)
Mindy Moore, AICP *Meet MPR No. 7*	HDR	Certified Planner, America Institute of Certified Planners (AICP)
Clara Foshee, PE, PTOE	ARCADIS	Traffic Engineering Analysis Process & Report Modules 1, 2, & 3
Rick Plenge, PE, PTOE	vhb	Professional Traffic Operations Engineer (PTOE)
Gregory Backos, PE, NCICS	vhb	National Charrette Institute Charrette System™ Certificate Certified NHDOT Local Public Agency (LPA) Training–Federal Aid (Labor Compliance), NH
Taylor Bonner, PE, PTOE, RSP	vhb	Professional Traffic Operations Engineer (PTOE) Road Safety Professional (RSP)
Chris DeWitt, AICP	vhb	Certified Planner, America Institute of Certified Planners (AICP)
Chris Rome, PE, PTOE, RSP	vhb	Professional Traffic Operations Engineer (PTOE) Road Safety Professional (RSP)
Ian Hamilton, AICP	vhb	Certified Planner, America Institute of Certified Planners (AICP)

Louisiana's Secretary of State (SOS) Registration Screenshots for: **Arcadis U.S., Inc., HDR Engineering, Inc., Vanasse Hangen Brustlin, Inc. (VHB) and Southern Traffic Services, Inc. (STS/REKOR)** are located at the end of this section.

Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Unless withdrawn by the Certification Board this certificate number 2544 issued in Washington, D.C. is subject to the provisions for renewal

November 24, 2008

Steven D. Hofener
Chair

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER

Executive Director

Project Management Institute

THIS IS TO CERTIFY THAT

Akhilendra S Chauhan

HAS BEEN FORMALLY EVALUATED FOR DEMONSTRATED EXPERIENCE, KNOWLEDGE AND SKILLS TO LEAD AND DIRECT PROJECT TEAMS AND IS HEREBY BESTOWED THE GLOBAL CREDENTIAL

Project Management Professional

IN TESTIMONY WHEREOF, WE HAVE SUBSCRIBED OUR SIGNATURES UNDER THE SEAL OF THE INSTITUTE.

Beth Pardeton · Chair, Board of Directors

Mark A. Langley · President and Chief Executive Officer

PROJECT MANAGEMENT INSTITUTE CORPORATE SEAL 1969 PENNSYLVANIA

PMP® Number **1444676**

PMP® Original Grant Date **16 August 2011**

PMP® Expiration Date **15 August 2014**

PMI Project Management Institute

Transportation Professional Certification Board Inc.

certifies that

Akhilendra Singh Chauhan

has met all of the requirements established by the Certification Board to use the title of

PROFESSIONAL TRANSPORTATION PLANNER

Unless withdrawn by the Certification Board, this certificate number 246 issued in Washington, D.C. is subject to the provisions for renewal

December 1, 2009

Steven D. Hofener
Chair

PTP
PROFESSIONAL TRANSPORTATION PLANNER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Akhil Chauhan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

FHWA - NHI Course No. 380071 -
Interactive Highway Safety Design Model (IHSDM)

hosted by

Louisiana Department of Transportation and Development

Date: May 9-10, 2012 ***Hours of Instruction:*** 12

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Akhilendra Chauhan

has participated in

NHI Course No. 380075 –
New Approaches to Highway Safety Analysis

hosted by

LA DOTD/LTRC

Date: October 9-11, 2012 ***Hours of Instruction:*** 18

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

FHWA - NHI Course No. 133078
Access Management, Location and Design (3 day)

hosted by

LA DOTD/LTRC

Date: January 6-8, 2015 ***Hours of Instruction:*** 18

Location: Baton Rouge, LA

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

Akhil Chauhan

has participated in

NHI Course No. FHWA-NHI-380106

Highway Safety Manual Online Overview

hosted by

National Highway Institute

Location: *Web-Based Course* ***Hours of Instruction:*** *12 hours*

Date: *7/18/2012*

Richard J. Barnaby, Director
National Highway Institute

Certificate of Training

PRESENTED BY

Louisiana Local Technical
Assistance Program

TO CERTIFY THAT

Akhil Chauhan

HAS SATISFACTORILY COMPLETED 7 PROFESSIONAL DEVELOPMENT HOURS IN:

Louisiana's Complete Streets Peer Exchange

Director of Louisiana LTAP Center

January 19-20, 2016
Date

Baton Rouge, Louisiana
Location

Certificate of Attendance

USING STATISTICS IN HIGHWAY SAFETY

PRESENTED BY

LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

TO CERTIFY THAT

Akhil Chauhan

HAS SATISFACTORILY COMPLETED 6 HOURS OF TRAINING

Dr. Helmut Schneider
Director
Highway Safety Research Group

CERTIFICATE OF PARTICIPATION

IS GIVEN TO

Akhil Chauhan

for having participated in Louisiana's Local Road Safety Peer Exchange

on September 10-11, 2015 in Baton Rouge, Louisiana

DORTHA F. CUMMINS
Director, Louisiana Center for Transportation Safety

The American Planning Association's
Professional Institute
American Institute of Certified Planners

Creating Great Communities for All

January 26, 2026

AICP Certification Verification for Cristina Martinez, AICP

Please accept this letter as confirmation that this certified planner is a current member, in good standing, of the American Institute of Certified Planners (AICP), the professional institute of the American Planning Association (APA). The official details of the member's certification are:

AICP Certification Start Date: 12/21/2018
AICP Certification Number: 31139
AICP Certification End Date: 09/30/2026

AICP is the APA's professional institute, providing recognized leadership nationwide in the certification of professional planners, ethics, professional development, planning education, and the standards of planning practice.

AICP certified planners carry a high mark of distinction because they are required to meet rigorous standards, maintain their expertise through continuing education, and serve community interests.

For more information about the requirements to become AICP, please see our website www.planning.org/aicp.

Please let us know if we can offer any additional assistance.

Sincerely,

Renee Kronon-Schertz
Certification Program Manager
AICP@planning.org

Chicago Office
200 East Randolph Street
Suite 6900
Chicago, IL 60601-6909
p: 312.431.9100

planning.org

Transportation Professional Certification Board, Inc.

certifies that

Ari Jacob Deitch

has met all of the requirements established by the Certification Board
to use the title of

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 37 issued in Washington, DC, USA

12/21/2018

Diane W. Morabito
Chair

ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

has met all of the requirements established by the Certification Board
to use the title of

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4346 issued in Washington, DC, USA

11/20/17

Michael K. Park
Chair

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Jeffrey F. Paniati
Executive Director

Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA

Safer Roads Save Lives

Ari Deitch

has attended
Louisiana Traffic Control Supervisor

Completed: 22-FEB-2024

CEU (If Applicable): 1.5

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.

ATSSA CERTIFIED

American Traffic Safety Services Association
ATSSA.com

Certificate of Professional Development Hours

presented to

Ari Deitch

for attending the

Highway Safety Manual Workshop

12 PDHs

on

May 2-3, 2013 Baton Rouge, Louisiana

Authorized By

Research, Technology Transfer, Education and Training

bota

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

ARI DEITCH

has participated in

FHWA-NHI-133121 Traffic Signal Design and Operation

hosted by

LA DOTD/LTRC

Date: *August 16-17, 2017*

Location: *Baton Rouge, LA*

Hours of Instruction: 11

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

Transportation Professional Certification Board, Inc.

certifies that

Ariel Jacob Deitch

has met all of the requirements established by the Certification Board
to use the title of

Professional Transportation Planner

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 690 issued in Washington, DC, USA

07/17/2019

Diane M. Morabito
Diane Morabito
Chair

PTP
PROFESSIONAL TRANSPORTATION PLANNER

Jeffrey F. Paniati
Executive Director

ATSSA
Safer Roads Save Lives

Kester Hollier

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 29-JUL-2023

CEU (If Applicable):

ATSSA provides training and certification but neither constitutes employment by ATSSA.

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

Transportation Professional Certification Board Inc.

certifies that

Kester Berk Hollier

has met all of the requirements established by the Certification Board
to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 3928 issued in Washington, D.C., U.S.A.
November 18, 2015

Kenneth W Ackert
Chair

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | *Authorized Instructor* | *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

The Transportation Professional Certification Board

Certifies that

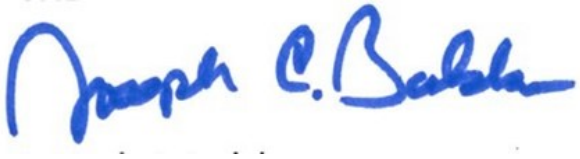
Mr. Thomas M. Crochet, P.E., PTOE

successfully renewed the Professional Traffic Operations Engineer® certification

Original Certification Date: 4/20/2009

Certification Valid Through: 4/20/2027

Jeffrey F. Paniati,
Executive Director and CEO



Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 2567

ATSSA

Safer Roads Save Lives

Max Aguirre

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 18-SEP-2025

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

Transportation Professional Certification Board, Inc.

certifies that

Max Aguirre

has met all of the requirements established by the Certification Board
to use the title of

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 5291 issued in Washington, DC, USA

7/13/2022

Deborah L Snyder

Deborah Snyder
Chair

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Max Aguirre

has met all of the requirements established by the Certification Board to use the title of

Road Safety Professional

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 636 issued in Washington, DC, USA

8/3/2021

Deborah L Snyder
Deborah Snyder
Chair

RSP ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Jeffrey F. Paniati
Executive Director

ATSSA

Safer Roads Save Lives

Max Aguirre

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 18-SEP-2025

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Max Aguirre

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

The Transportation Professional Certification Board

Certifies that

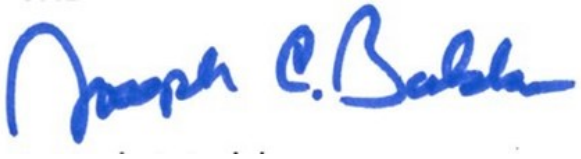
Max Aguirre, Ph.D.,PE,PTOE,RSP2I

successfully renewed the Road Safety Professional Infrastructure® (Level 2) certification

Original Certification Date: 7/9/2024

Certification Valid Through: 7/9/2027

Jeffrey F. Paniati,
Executive Director and CEO



Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 182

Congratulations!
Sridhar Basetty

You have completed

Traffic Engineering Analysis Process & Report Class
Modules 1, 2 &3

Date: April 27-28, 2023
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Transportation Professional Certification Board Inc.

certifies that

Sridhar Basetty

has met all of the requirements established by the Certification Board
to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 3682 issued in Washington, D.C., U.S.A.
August 1, 2014

Timothy P. Harpst
Chair

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

Training Certificate

P R E S E N T E D T O

Sridhar Basetty

for successful completion of a webinar presentation on

Traffic Controller (Naztec TS1 & TS2) and Streetwise Training Course

June 17,2014

8 PDH's

Michael Trueblood, PE, PTOE
Facilitator

Trafficware UNIVERSITY

LAPELS Continuing Professional Development Provider - CPD.0000281

U.S. Department
Of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Sridhar Basetty

has participated in

NHI Course No. 133078 -
Access Management, Location and Design

hosted by

LA DOTD/LTRC

Date: **April 8-10, 2014**

Location: **Bossier City, LA**

Hours of Instruction: **18**

Instructor

Instructor

Allison H. Landry
Local Coordinator

Richard Barnaby, Director
National Highway Institute

Certificate of Completion

THE ASSOCIATION OF PEDESTRIAN AND BICYCLE PROFESSIONALS

presents this certificate to

Sridhar Basetty

in recognition of attendance at the course

Designing Pedestrian Facilities for Accessibility

An educational program developed by the Association of Pedestrian and Bicycle Professionals in conjunction with the United States Access Board to provide an overview of the Americans with Disabilities Act guidelines and policies for the public rights-of-way.

Hosted by the New Orleans Regional Planning Commission on December 9 & 10, 2013
10.5 hours of continuing education credits earned

Michael Ronkin
APBP Instructor

Dan Jatres
New Orleans Regional Planning Commission

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

SRIDHAR BASETTY

has participated in

FHWA-NHI-133121 Traffic Signal Design and Operation

hosted by

LA DOTD/LTRC

Date: *August 16-17, 2017*

Location: *Baton Rouge, LA*

Hours of Instruction: 11

Instructor

Instructor

Allison H. Landry

Local Coordinator

Valerie Briggs

Valerie Briggs, Director
National Highway Institute

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: October 1, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: October 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Clara Foshee

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Transportation Professional Certification Board, Inc.

certifies that

Justin M. Maderia

has met all of the requirements established by the Certification Board
to use the title of

Professional Transportation Planner

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 604 issued in Washington, DC, USA

7/19/17

Michael W. Park
Chair

PTP
PROFESSIONAL
TRANSPORTATION
PLANNER

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board Inc.

certifies that

Justin M. Maderia

has met all of the requirements established by the Certification Board
to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 3455 issued in Washington, D.C. U.S.A.
July 22, 2013

Timothy P. Harpst
Chair

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER

Executive Director

Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: January 29, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Justin Maderia

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: January 30, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA

Safer Roads Save Lives

Jose Rodriguez

has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 29-MAR-2024

CEU (If Applicable): 0.75

ATSSA provides training and certification but neither constitutes employment by ATSSA.

This certificate provides proof of training, not certification.

American Traffic Safety Services Association
ATSSA.com

Transportation Professional Certification Board, Inc.

certifies that

Daniel J. Cook

has met all of the requirements established by the Certification Board
to use the title of

Road Safety Professional Infrastructure

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 240 issued in Washington, DC, USA

11/24/25

Jan O. Voss, P.Eng., PTOE
Chair

ROAD SAFETY PROFESSIONAL

Steve Kuciemba
Executive Director

American Institute of Certified Planners

Mindy S. Moore, AICP

APA ID: 123811

AICP Start Date: 07/01/2003
AICP Certification #: 18619

CM Reporting Period Ends: 12/31/2027

The American Institute of Certified Planners provides the only nationwide, independent verification of planners' qualifications. Certified planners pledge to uphold high standards of practice, ethics, and professional conduct, and to keep their skills sharp and up to date by continuously pursuing advanced professional education.

Badges

The American Planning Association's
Professional Institute
American Institute of Certified Planners

Creating Great Communities for All

January 23, 2026

AICP Certification Verification for Ian Hamilton, AICP

Please accept this letter as confirmation that this certified planner is a current member, in good standing, of the American Institute of Certified Planners (AICP), the professional institute of the American Planning Association (APA). The official details of the member's certification are:

AICP Certification Start Date: 12/16/2017
AICP Certification Number: 30510
AICP Certification End Date: 12/31/2026

AICP is the APA's professional institute, providing recognized leadership nationwide in the certification of professional planners, ethics, professional development, planning education, and the standards of planning practice.

AICP certified planners carry a high mark of distinction because they are required to meet rigorous standards, maintain their expertise through continuing education, and serve community interests.

For more information about the requirements to become AICP, please see our website www.planning.org/aicp.

Please let us know if we can offer any additional assistance.

Sincerely,

Renee Kronon-Schertz
Certification Program Manager
AICP@planning.org

Chicago Office
200 East Randolph Street
Suite 6900
Chicago, IL 60601-6909
p: 312.431.9100

planning.org

orders@ite.org
to me

Wed, Mar 26, 2025, 12:47 PM

Mr. Rick Plenge, P.E., PTOE:

We want to congratulate you and thank you for renewing your certification as a PTOE. The Transportation Professional Certification Board and staff commend you on your commitment to your profession and stand ready to assist you. Some important things to note:

1. Your certification is renewed through 5/3/2028.
2. You will not be receiving a new certificate as the one sent to your originally does not indicate an expiration date and can be displayed as long as you are a PTOE. Your certificate does indicate your original certification date.
3. At the end of the three-year period, your certification will need to be renewed again. This can be done without examination provided you have met the continuing education requirements and submitted the necessary PDHs/CMs.
4. Just a reminder that you can use the free Record-keeping System if you are an ITE member, but if you are a non-member, you may use this template to keep track of your credits. https://www.tpcb.org/TPCB/assets/File/PUBLISHED/TPCB%20Template%20for%20PDH%20Uploading%20Fillable.pdf

We thank you for your continuing support of the Certification Program and wish you the best of luck in the coming years.

Sincerely,

Jan O. Voss, P.Eng., PTOE
Chair, Transportation Professional Certification Board

Individual Certificate Holders

Our database has more than 3,600 NCI certificate holders. These individuals have completed one or more of the multiday National Charrette Institute Certificate Trainings. The list includes names, locations and affiliations.

The following abbreviations indicate the certificate(s) of completion held:

- CS=NCI Charrette System™ Certificate (formerly NCI Charrette Planner® Certificate).
- CM=NCI Charrette Management and Facilitation™ Certificate (formerly NCI Complete Charrette Manager™ Certificate).
- MF=NCI Public Meeting Facilitation™ Certificate.

If you are seeking knowledgeable project partners or recipients for your RFP, please email us and request the list, including contact information. Download our free NCI Charrette RFP Template.

Please note: NCI training certificates are given to individuals who have completed our trainings and while we strive to teach the best professional tools and techniques, we cannot guarantee the experience or skill level of these individuals or assure their implementation of the NCI Charrette System™.

Search:

Last Name

bakos

Sort by:

First Name

○ Ascending ○ Descending

Search **Clear**

First Name	Last Name	Company	City	State	Country	NCI Certificate(s)
Greg	Bakos	Vanasse Hangen Brustlin, Inc.	Bedford	NH	USA	CS

New Hampshire Department of Transportation

New Hampshire DOT
Department of Transportation

Gregory Bakos
VHB

LPA Certification for Labor Compliance

Completion Date: June 12, 2020 **Expiration Date: June 12, 2022**

Jay Ankenbrock

Jay Ankenbrock
NHDOT, Chief of Labor Compliance

The Transportation Professional Certification Board

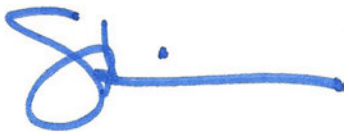
Certifies that

Mrs. Taylor Lynne Bonner, PE, PTOE, RSP2IB

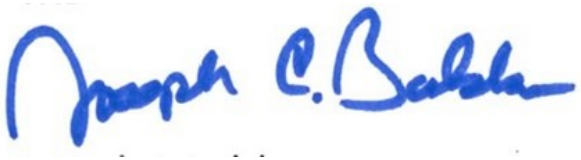
successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 4/5/2023

Certification Valid Through: 4/5/2026



Steve Kuciemba,
Executive Director and CEO



Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 5430

AICP

This certificate hereby qualifies

George DeWitt

as a member with all the benefits of a Certified Planner and a commitment to the AICP Code of Ethics and Professional Conduct.

Certified Planner Number: 014576

Joel Albizo, FASAE, CAE
Chief Executive Director

Erin Perdu, AICP
President

AICP

American Institute of Certified Planners

Creating Great Communities for All

The Transportation Professional Certification Board

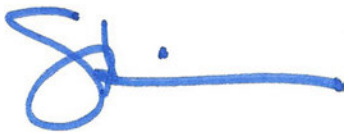
Certifies that

Mr. Christopher M. Rome, P.E., PTOE, RSP2IB

successfully holds the Road Safety Professional Infrastructure® (Level 2) certification

Original Certification Date: 11/24/2025

Certification Valid Through: 11/24/2028



Steve Kuciemba,
Executive Director and CEO

Jan O. Voss, P.Eng., PTOE
TPCB Chair

Certification Number: 254

Rome, Christopher

From: info@ite.org
Sent: Monday, February 13, 2023 2:40 PM
To: Rome, Christopher
Subject: [EXTERNAL] TPCB Renewal Approval Notice

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org

Mr. Christopher M. Rome, P.E., PTOE, RSP1:

We want to congratulate you and thank you for renewing your certification as a PTOE. The Transportation Professional Certification Board and staff commend you on your commitment to your profession and stand ready to assist you. Some important things to note:

1. Your certification is renewed through 3/15/2026.
2. You will not be receiving a new certificate as the one sent to your originally does not indicate an expiration date and can be displayed as long as you are a PTOE. Your certificate does indicate your original certification date.
3. At the end of the three-year period, your certification will need to be renewed again. This can be done without examination provided you have met the continuing education requirements and submitted the necessary PDHs/CMs.
4. Just a reminder that you can use the free Record-keeping System if you are an ITE member, but if you are a non-member, you may use this template to keep track of your credits. https://www.tpcb.org/TPCB/assets/File/PUBLISHED/TPCB%20Template%20for%20PDH%20Uploading%20Fillable.pdf

We thank you for your continuing support of the Certification Program and wish you the best of luck in the coming years.

Sincerely,

Joseph C. Balskus, P.E., PTOE
Chair, Transportation Professional Certification Board

The Transportation Professional Certification Board

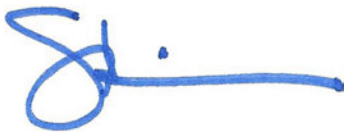
Certifies that

Mrs. Taylor Lynne Bonner, PE, PTOE, RSP2IB

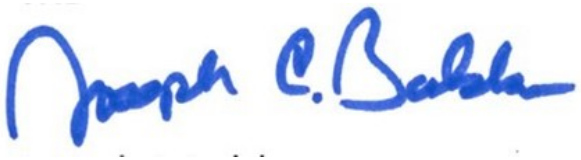
successfully holds the Road Safety Professional Behavioral® (Level 2) certification

Original Certification Date: 3/20/2024

Certification Valid Through: 3/20/2027



Steve Kuciemba,
Executive Director and CEO



Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 36

State of Louisiana
Secretary of State

COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
ARCADIS U.S., INC.	Business Corporation (Non-Louisiana)	WILMINGTON	Active

Previous Names

ARCADIS G&M, INC. (Changed: 1/4/2007)

ARCADIS GERAGHTY & MILLER, INC. (Changed: 6/12/2001)

Business: ARCADIS U.S., INC.

Charter Number: 34610353F

Registration Date: 2/5/1998

Domicile Address

222 DELAWARE AVENUE, SUITE 1110
WILMINGTON, DE 19801

Mailing Address

C/O LEGAL DEPT.
110 WEST FAYETTE ST., SUITE 300
SYRACUSE, NY 13202

Principal Business Office

630 PLAZA DR., SUITE 200
HIGHLANDS RANCH, CO 80129

Registered Office in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

6100 CORPORATE BLVD., SUITE 325
BATON ROUGE, LA 70816

State of Louisiana Secretary of State

COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
HDR ENGINEERING, INC.	Business Corporation (Non-Louisiana)	OMAHA	Active

Previous Names

HDR INFRASTRUCTURE, INC. (Changed: 12/3/1987)

Business: HDR ENGINEERING, INC.
Charter Number: 34178558F
Registration Date: 6/17/1985

Domicile Address

1917 S. 67TH STREET
OMAHA, NE 68106

Mailing Address

1917 S. 67TH STREET
OMAHA, NE 68106

Principal Business Office

1917 S. 67TH STREET
OMAHA, NE 68106

Registered Office in Louisiana

201 RUE BEAUREGARD, STE. 202
LAFAYETTE, LA 70508

Principal Business Establishment in Louisiana

5750 JOHNSTON STREET
SUITE 105
LAFAYETTE, LA 70503

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 6/17/1985
Last Report Filed: 5/27/2025
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent: REGISTERED AGENTS INC
Address 1: 201 RUE BEAUREGARD, STE. 202
City, State, Zip: LAFAYETTE, LA 70508

State of Louisiana Secretary of State

COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
VANASSE HANGEN BRUSTLIN, INC.	Business Corporation (Non-Louisiana)	WATERTOWN	Active

Previous Names

Business: VANASSE HANGEN BRUSTLIN, INC.
Charter Number: 40828208F
Registration Date: 5/8/2012

Domicile Address
260 ARSENAL PLACE
#2
WATERTOWN, MA 02472

Mailing Address
260 ARSENAL PLACE, #2
P.O. BOX 9151
WATERTOWN, MA 02472

Principal Business Office
260 ARSENAL PLACE
#2
WATERTOWN, MA 02472

Registered Office in Louisiana
3867 PLAZA TOWER DR
BATON ROUGE, LA 708164378

Principal Business Establishment in Louisiana
3867 PLAZA TOWER DR
BATON ROUGE, LA 708164378

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 5/8/2012
Last Report Filed: 4/28/2025
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent: REGISTERED AGENT SOLUTIONS, INC.
Address 1: 3867 PLAZA TOWER DR
City, State, Zip: BATON ROUGE, LA 708164378

State of Louisiana Secretary of State

COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
SOUTHERN TRAFFIC SERVICES, INC.	Business Corporation (Non-Louisiana)	GULF BREEZE	Active

Previous Names

Business: SOUTHERN TRAFFIC SERVICES, INC.
Charter Number: 35534141F
Registration Date: 8/11/2003

Domicile Address
2911 WESTFIELD RD
GULF BREEZE, FL 32563

Mailing Address
2911 WESTFIELD RD
GULF BREEZE, FL 32563

Principal Business Office
2911 WESTFIELD RD
GULF BREEZE, FL 32563

Registered Office in Louisiana
8550 UNITED PLAZA BLVD., STE. 702
BATON ROUGE, LA 70809

Principal Business Establishment in Louisiana
501 LOUISIANA AVENUE
BATON ROUGE, LA 70802

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 8/11/2003
Last Report Filed: 9/25/2025
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent:	LEGALINC CORPORATE SERVICES INC.
Address 1:	8550 UNITED PLAZA BLVD., STE. 702
City, State, Zip:	BATON ROUGE, LA 70809
Appointment Date:	7/10/2023

Officer(s)

Additional Officers: No

21 QA/QC PLAN:

22 SUB-CONSULTANT INFORMATION:

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	Address	Point of Contact and email address	Phone Number
HDR ENGINEERING, INC.	8545 United Plaza Blvd, Suite 379 Baton Rouge, LA 70809	Brett Geesey, PE Brett.Geesey@hdrinc.com	337- 347-5598
VANASSE HANGEN BRUSTLIN, INC.	3867 Plaza Tower Dr. Baton Rouge, LA 70816	Michael Dunn, PE mdunn@vhb.com	919- 741-5357
SOUTHERN TRAFFIC SERVICES, INC.	2911 Westfield Road Gulf Breeze, Fl 32563	Brandi Smith bsmith@rekor.ai	800- 786-3374

23 LOCATION:

Arcadis
6100 Corporate Blvd., Suite 325
Baton Rouge, LA 70808
T. 225 292 1004

www.arcadis.com

www.arcadis.com
Arcadis North America
Arcadis
@ARCADIS_US